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Survey Automation Suite

User Guide

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Overview

A. PREPARATION AND GENERAL NOTES 13
   1. Introduction 13
   2. The Basics 18
   3. System Start-up and Security 26

B. YOUR EVALUATION PROCESS: THE PHASE MODEL 37
   1. The Phase Model – Your Workflow in the Process of Evaluation 37
   2. Phase 1: Preparation of a Survey Period 39
   3. Phase 2: Implementation of Surveys 104
   4. Phase 3: Capture and Instant Feedback 208
   5. Phase 4: Advanced Reporting 260
   6. Phase 5: Quality Management 341
   7. Module Evaluation 375
   8. Add-On: Das Prüfungsmodul EvaExam 391

C. CREATING QUESTIONNAIRES WITH VIVIDFORMS 397
   1. Access to the VividForms Editor 397
   2. Creating a Questionnaire in the VividForms Editor 398
   3. Repair Form 451
   4. Use of the Question Library with VividForms 451
   5. Filter Settings, Validation, Required Questions and Cross Tabulations 457
   6. Defining General Templates 462
   7. Editing and Passing on Questionnaires 465

D. SYSTEM SETTINGS AND MANAGEMENT 471
   1. System Management and Summary 471
   2. Configuration Settings 499

Table of Contents

A. PREPARATION AND GENERAL NOTES 13
- 1. Introduction 13
  - 1.1. Manuals and Documentation 15
    - 1.1.1. User Guide 15
    - 1.1.2. Further Manuals 15
    - 1.1.3. Sample Files 16
  - 1.2. Support 16
    - 1.2.1. EvaSys Website and Support Area 16
    - 1.2.2. Email to the Support Department 17
- 2. The Basics 18
  - 2.1. Structure of the EvaSys System 18
  - 2.2. Web Accessibility in EvaSys 20
  - 2.3. Central Evaluation and Active Instructor Accounts 22
    - 2.3.1. Central Evaluation: A Central Office controls the Evaluation 22
    - 2.3.2. Active Instructors Accounts 23
  - 2.4. Basic Terminology within the EvaSys User Guide 24
- 3. System Start-up and Security 26
  - 3.1. Adjustment to your Organization 26
    - 3.1.1. Logging into EvaSys: Entry Points 27
    - 3.1.2. Login Security 28
    - 3.1.3. Adjustments in EvaSys Settings – Texts, Colors, Documents 30
    - 3.1.4. Adjustments in the Text Templates 32
    - 3.1.5. Adjustments in the Documents 32
  - 3.2. Defining Access Rights 32
  - 3.3. Implementing Backups 34
    - 3.3.1. Backing up the Database 34
    - 3.3.2. Backing up the Image Files of the Open Questions 35
    - 3.3.3. Backing up the Original Image Files from Scanstation 35

B. YOUR EVALUATION PROCESS: THE PHASE MODEL 37
- 1. The Phase Model – Your Workflow in the Process of Evaluation 37
- 2. Phase 1: Preparation of a Survey Period 39
  - 2.1. Preliminary Steps 39
    - 2.1.1. Define Organizational Data 39
    - 2.1.2. Course Types, Periods, Custom Titles 40
  - 2.2. Setting up the Organizational Structure 43
    - 2.2.1. Setting up the Subunits 45
    - 2.2.2. Generating and Managing User Accounts 49
    - 2.2.3. Creating Courses 63
  - 2.3. Import Interfaces 74
    - 2.3.1. CSV-Import within Subunits 74
    - 2.3.2. XML Import (Structural Data, Surveys and Scheduled Online Surveys) 81
    - 2.3.3. Import of Course Participants' Email Addresses 81
  - 2.4. Administration of Questionnaires 83
    - 2.4.1. Essential Information on the Questionnaire 83
    - 2.4.2. Management of Questionnaires and Detailed View 84

2.4.3. Multiple Languages 96
2.4.4. Question Library 99
3. Phase 2: Implementation of Surveys 104
3.1. Survey Procedures 104
3.1.1. Cover Sheet Procedure 105
3.1.2. Hard Copy Procedure 105
3.1.3. PSWD Based Online Survey 106
3.1.4. Password Based Online Survey 107
3.1.5. Hybrid Survey 108
3.2. Generating Surveys 108
3.3. Display Surveys 111
3.4. Survey Details 116
3.4.1. Display of Survey Details 116
3.4.2. Number of Participants to Calculate the Response Rate 120
3.4.3. Delete Function for Responses to Open Questions 121
3.4.4. Assign a Survey to a Substitute Instructor 121
3.4.5. Editing/Displaying Notes 123
3.4.6. Show recognized form originals as PDF 125
3.4.7. Maintenance 125
3.5. Delete Survey 127
3.6. Tree Structure 128
3.6.1. Display Surveys 130
3.6.2. Generating Surveys 131
3.6.3. Deleting Surveys 133
3.7. Conducting a Paper Survey 134
3.7.1. Production of Questionnaires 134
3.7.2. Document Quality 134
3.7.3. Signature on Cover Sheet 134
3.8. Effective Management and Conduction of Online Surveys 136
3.8.1. Preview Online Survey 136
3.8.2. Generating and Managing Time Scheduled Online Surveys 137
3.8.3. Sending PSWDs 143
3.8.4. Application of QR Codes 144
3.8.5. Participation Tracking 146
3.8.6. Online Surveys: Customization of the Language Used 147
3.8.7. Online Surveys: Customization of the Used Layouts 151
3.8.8. Instructions for Creating an accessible online survey 162
3.8.9. Viewing the Results for Online Survey Participants 165
3.8.10. Single Password Based Online Survey 168
3.9. Hybrid Surveys 170
3.10. Adding Questions Using the Instructor's Optional Questions 173
3.10.1. Activate Instructor's Optional Questions (Administrator Account) 174
3.10.2. Use of a VividForms Questionnaire 175
3.10.3. Remind and Deactivate 175
3.11. Batch Events 176
3.11.1. Print Cover Sheets/Forms 177
3.11.2. Send Cover Sheets/Forms 179
3.11.3. Archive PDF Reports and CSV Raw Data 181

3.11.4. Send PSWDs to Instructors 181
3.11.5. Print PDF Reports 181
3.11.6. Send PDF Reports 183
3.11.7. Send PDF Reports as Instructor Profiles 183
3.12. Non-anonymous Surveys 183
3.12.1. Legal References in Non-anonymous Surveys 184
3.12.2. Conducting Non-anonymous Surveys 184
3.12.3. Importing Participant Data 185
3.12.4. Editing Participant Data 188
3.12.5. Import of Participant Data from Panels 191
3.12.6. Customizing the Questionnaire for a Non-anonymous Survey 193
3.12.7. General Direction for the Realization of a Non-anonymous Survey 194
3.12.8. Implementing a Non-anonymous paperbased Survey 196
3.12.9. Implementing a Non-anonymous Online Survey 197
3.12.10. Processing Survey Participant Data 198
3.12.11. Use the Participant Data for Participation Certificates 198
3.13. Active Instructor Accounts 198
3.13.1. Creating Active Instructors as (Subunit) Administrators 198
3.13.2. Login as Active Instructor 200
3.13.3. Generating and Editing Questionnaires 201
3.13.4. Generating a Folder 204
3.13.5. Generating Surveys 206
3.13.6. Working with the Active Instructor's Data 206
4. Phase 3: Capture and Instant Feedback 208
4.1. Scanning the Forms 208
4.1.1. Scanner Settings 209
4.1.2. Important Rules for Scanning 210
4.2. Evaluation of Scanned Questionnaires 211
4.2.1. Recognition of the Checkboxes via Barcode and OMR 211
4.2.2. Processing in VividForms Reader 212
4.3. Correction of Checkboxes not Clearly Read: The Verification 212
4.3.1. Batch View 214
4.3.2. Survey View 215
4.3.3. Form View 216
4.3.4. Carrying out the Verification 217
4.3.5. Automatic Verification 218
4.3.6. Check Filling Degrees 219
4.3.7. Responses to Open Questions 222
4.3.8. Keyboard Control in the Verification 222
4.4. Manual Entry of Handwritten Comments 222
4.5. Categorization of open questions 226
4.6. Instant Feedback: The PDF Report 228
4.6.1. Report Settings 229
4.6.2. Components of the PDF Report 230
4.6.3. General Configuration 231
4.6.4. Specific Elements of the PDF Report 237
4.6.5. PDF Report Definitions 250
4.6.6. Individually Designed Reports: PDF Report Plugins 254

4.6.7. DOWNLOAD AND SENDING OF REPORTS 256
4.6.8. PDF STANDARD 259
5. PHASE 4: ADVANCED REPORTING 260
5.1. INDICATORS 260
5.1.1. THE PRINCIPLE OF THE INDICATOR 260
5.1.2. ACTIVATING THE INDICATORS IN THE CONFIGURATION 263
5.1.3. CREATING THE INDICATORS FOR A QUESTIONNAIRE 265
5.1.4. INTERNAL CONSISTENCY OF THE QUESTION GROUP: CRONBACH'S ALPHA 266
5.1.5. FREE INDICATORS 268
5.2. CREATING REPORTS AND COMPARATIVE PROFILE LINES 271
5.2.1. THE USER ROLE OF THE REPORT CREATOR 271
5.2.2. GENERAL OPTIONS DURING REPORT CREATION 278
5.2.3. CREATING SUMMARY REPORTS 282
5.2.4. KINDS OF COMPRISING REPORTS 283
5.2.5. COMBINATIONS AND SUBGROUPS 299
5.2.6. INFORMATION ON A REPORT – REPORT LIST 308
5.2.7. INFORMATION ON A REPORT – DETAILED VIEW 312
5.2.8. DISPATCH OF COMPARATIVE PROFILE LINES 315
5.2.9. RESULT REPORTS 326
5.2.10. INTEGRATING PROFILE COMPARISON LINES IN THE PDF REPORT 329
5.3. DATA EXPORT TO EXCEL/SPSS/SPHINX 336
5.3.1. POSSIBLE DATA EXPORT FORMATS IN EVASYS 336
5.4. DEFINITION OF THE EXPORT VALUES AND NAMES FOR VARIABLES 337
5.5. THE EVASYS REPORT MODULE SPHINX PLUS² 339
6. PHASE 5: QUALITY MANAGEMENT 341
6.1. NORMS 341
6.1.1. CALCULATION OF NORMS 343
6.1.2. DEFINITION OF NORM VALUES FOR QUESTIONNAIRES 344
6.2. QUALITY GUIDELINES 347
6.2.1. SETTING QUALITY GUIDELINES 347
6.2.2. CONVERTING INDICATORS INTO QUALITY GUIDELINES 356
6.2.3. CONVERTING NORMS INTO QUALITY GUIDELINES 360
6.2.4. AUTHORIZING ACCESS RIGHTS TO QM VIEWS 364
6.2.5. USE OF QM VIEWS 365
6.2.6. DEFINITION OF SPECIAL SEARCH AND TABLE CONFIGURATIONS 368
6.2.7. REPORT DISPATCH FOR QUALITY MANAGEMENT 371
6.2.8. AUTOMATIC NOTIFICATION FOR DEVIANT QUALITY INDEX 373
7. MODULE EVALUATION 375
7.1. SETTING UP A SURVEY WITH MODULE EVALUATION 375
7.2. ACTIVATING MODULE SURVEYS 376
7.3. CREATING MODULE QUESTIONNAIRES AND LINKING THEM TO COURSE TYPES 376
7.4. CHARACTERISTICS OF THE AGGREGATED QUESTIONNAIRE 378
7.5. CREATING A MODULE ACCOUNT 379
7.6. CREATING MODULE COURSES 381
7.7. IMPORTING MODULES AND COURSES 383
7.8. GENERATING A MODULE SURVEYS 383
7.9. INSTANT FEEDBACK 386
7.10. FURTHER SETTINGS 389

8. ADD-ON: DAS PRÜFUNGSMODUL EVAEXAM 391
    8.1. CENTRAL SYSTEM SETTINGS 391
    8.2. CREATING INSTRUCTOR ACCOUNTS WITH EXAMINER FUNCTION 392
    8.3. VIEWING THE EXAM LIST 394

C. CREATING QUESTIONNAIRES WITH VIVIDFORMS 397

1. ACCESS TO THE VIVIDFORMS EDITOR 397
2. CREATING A QUESTIONNAIRE IN THE VIVIDFORMS EDITOR 398
    2.1. DEFINE FORM INFORMATION 398
    2.2. THE EDITOR CONTROL 400
    2.3. VIEWING OPTIONS 402
        2.3.1. PAPER VIEW 403
        2.3.2. ONLINE VIEW 405
        2.3.3. PREVIEW FUNCTIONS 407
    2.4. EDITING THE QUESTIONNAIRE HEADER 410
    2.5. ADDING AND EDITING QUESTION GROUPS 415
    2.6. ADDING AND EDITING QUESTIONS 417
        2.6.1. OVERVIEW ON THE QUESTION TYPES 417
        2.6.2. SCALED QUESTION 419
        2.6.3. OPEN QUESTION 424
        2.6.4. ICR-QUESTION (HANDWRITING RECOGNITION) 425
        2.6.5. SINGLE CHOICE/MULTIPLE CHOICE QUESTION 430
        2.6.6. HORIZONTAL MATRIX QUESTION 434
        2.6.7. VERTICAL MATRIX QUESTION 435
        2.6.8. GRADE VALUE 436
    2.7. ADAPTING THE SIZE OF ANSWER BOXES 437
    2.8. ADDING POLE LABELS 438
        2.8.1. HORIZONTAL POLE LABELS 438
        2.8.2. VERTICAL POLE LABELS 439
        2.8.3. INCLINED POLE LABELS 440
    2.9. ADDING GRAPHICAL ELEMENTS 441
        2.9.1. LINE SPACE 441
        2.9.2. SEPARATOR 442
        2.9.3. TEXT 442
        2.9.4. PAGE BREAK 443
        2.9.5. LINE HEIGHT, FONT SIZE AND FONT TYPE 443
        2.9.6. FILTERING OF HTML-TAGS 444
    2.10. ADDING PICTURES TO A QUESTIONNAIRE 445
        2.10.1. UPLOAD PICTURES TO THE PICTURE LIBRARY 445
        2.10.2. INTEGRATING PICTURES IN A QUESTIONNAIRE 447
    2.11. LAYOUT SETTINGS 448
    2.12. ADJUSTING COLOR SCHEME 449
3. REPAIR FORM 451
4. USE OF THE QUESTION LIBRARY WITH VIVIDFORMS 451
    4.1. ADDING A QUESTION FROM THE LIBRARY 451
    4.2. UNDOING THE CONNECTION BETWEEN A QUESTION AND THE LIBRARY 454
    4.3. ADDING A QUESTION TO THE LIBRARY 455
    4.4. DELETING A QUESTION FROM THE LIBRARY 456

4.5. ADDING A GROUP TO THE LIBRARY 457
4.6. DELETING A GROUP FROM THE LIBRARY 457
5. FILTER SETTINGS, VALIDATION, REQUIRED QUESTIONS AND CROSS TABULATIONS 457
5.1. GENERAL INFORMATION 457
5.2. FILTER SETTINGS 458
5.3. VALIDATION 459
5.4. REQUIRED QUESTIONS 460
5.5. CROSS TABULATIONS 461
6. DEFINING GENERAL TEMPLATES 462
6.1. DEFINING A TEMPLATE BY THE ADMINISTRATOR 462
6.2. USE OF TEMPLATES IN INSTRUCTOR ACCOUNTS 463
7. EDITING AND PASSING ON QUESTIONNAIRES 465
7.1. WRITE-PROTECT MODE 465
7.2. AUTOMATIC RECOGNITION SET MANAGEMENT 466
7.3. IMPORT/EXPORT OF VIVIDFORMS QUESTIONNAIRES 467

D. SYSTEM SETTINGS AND MANAGEMENT 471
1. SYSTEM MANAGEMENT AND SUMMARY 471
1.1. SEARCH 471
1.1.1. SEARCHING FOR USERS 472
1.1.2. SEARCH FOR COURSES 473
1.1.3. SEARCH FOR SURVEYS 474
1.1.4. SEARCH FOR DELIVERIES 474
1.2. WRITING EMAIL 475
1.3. DELIVERY 476
1.4. BATCH EXPORT 478
1.4.1. RAW DATA EXPORT 478
1.4.2. RESPONSE RATE EXPORT 479
1.5. UTILIZATION STATISTICS 479
1.6. EVALUATION STATISTICS 481
1.7. SYSTEM INFORMATION 482
1.8. LICENSE ADMINISTRATION 483
1.8.1. OVERVIEW ON THE LICENSE ADMINISTRATION 483
1.8.2. ADMINISTRATION OF USER ACCOUNTS 486
1.8.3. HOW TO USE A VOLUME LICENSE 489
1.9. SCANSTATION SETUP 490
1.10. PERFORMANCE CONSIDERATIONS 491
1.10.1. PERFORMANCE STATISTIC 491
1.10.2. LIST OF ALL ACTIVE USERS LOGGED IN 493
1.10.3. MORE TIPS FOR AVOIDING SYSTEM OVERLOAD 493
1.11. DELETION LOG 494
1.12. SYSTEM CLEANING 495
1.12.1. PSWDS 495
1.12.2. DELIVERIES 495
1.12.3. ENTRIES IN THE LOG BOOK 495
1.12.4. DELETE COMPILATIONS AND SUBGROUP REPORTS 495
1.13. ANALYSIS OF ERRORS 496
1.13.1. LOG BOOK 496

1.13.2. MAIL SERVICE LOG ... 498
1.13.3. MORE LOG FILES ... 498
2. CONFIGURATION SETTINGS ... 499
2.1. TEXT TEMPLATES ... 499
2.1.1. VIEWING EMAIL TEXTS AND TEXT TEMPLATES ... 499
2.1.2. TEMPLATES FOR EMAIL MESSAGES ... 500
2.1.3. TEMPLATE FOR LETTER IN PDF REPORTS ... 505
2.1.4. TEMPLATES FOR PDF REPORTS ... 505
2.1.5. OTHER TEXT TEMPLATES ... 507
2.1.6. PLACEHOLDERS FOR TEXT TEMPLATES AND QUESTIONNAIRES ... 508
2.1.7. HTML FORMAT FOR EMAIL TEXTS ... 511
2.2. DOCUMENTS ... 512
2.2.1. EMAIL ATTACHMENTS ... 514
2.2.2. PDF TEMPLATES ... 514
2.3. PROCESS DEFAULTS ... 517
2.3.1. GENERAL ... 517
2.3.2. SCANNING ... 517
2.4. WEBSERVICE ... 518
2.5. EVASYS SETTINGS: CONFIGURATION ... 518
2.5.1. SECTION “GENERAL” ... 520
2.5.2. SECTION “SURVEY” ... 522
2.5.3. SECTION “SURVEY ONLINE” ... 524
2.5.4. SECTION “DATA IMPORT AND EXPORT” ... 527
2.5.5. SECTION “COURSE USER DATA FIELDS” ... 529
2.5.6. SECTION “FUNCTIONS” ... 530
2.5.7. SECTION “CENTRAL EVALUATION” ... 534
2.5.8. SECTION “EMAIL FUNCTIONS & ACCOUNTS” ... 535
2.5.9. SECTION “COLOR SETTINGS” ... 536
2.5.10. SECTION “INSTRUCTOR ACCOUNTS” ... 537
2.5.11. SECTION “VIVIDFORMS” ... 538
2.5.12. SECTION “NETWORK SETTINGS” ... 538
2.5.13. SECTION “SYSTEM SECURITY” ... 541
2.5.14. SECTION “MAINTENANCE” ... 542
2.6. CLIENT OPERATIONS ... 545

A. Preparation and General Notes

This manual is intended to assist you in your day to day operating of the software EvaSys. If you wish to familiarize yourself with particular elements, have a question or, for example, the software has changed due to an update, you will require fast and convenient access to the relevant information.

Therefore, this chapter deals with the most important introductory questions:

- Which EvaSys manuals are available and where do you find which information?
- If these cannot answer all your questions – where do you find more help?
- What does the structure of the system look like?
- How do I start to work with EvaSys and how can I save my data while working?

These questions are dealt with in the first chapter of the EvaSys User Guide.

1. Introduction

The automated feedback system EvaSys was developed to offer universities, major educational institutions, hospitals or companies an effective tool for comprehensively implementing and processing surveys for quality assurance purposes. EvaSys is suitable for both paper and online surveys.

This manual introduces the system's possibilities and abilities with a strong emphasis on the administrator's access. It addresses users without any EvaSys experience as well as experienced users who wish to reference something specific. Hence, it provides an introduction into the utilization of the system as well as offering answers to questions related to particular topics. Apart from a few exceptions, neither experience in programming nor technical knowledge is necessary.

For a comprehensive introduction it's best to work through the manual chapter by chapter. Should you wish to look up certain steps, the index will lead you to the topic in question. When working with the manual's PDF version, the index will also appear as bookmarks on the left-hand side of the screen, enabling you to navigate to the relevant chapter.

In addition, you will find an index at the back of the manual, where you can look up important terminology and topics.

The manual's structure is based on the operating steps of the evaluation. Following the first three chapters that relate to the basics of the system, the initial operation and security, specific operations are introduced as and when you need them during the evaluation. The manual follows a so-called "phase model" that illustrates the workflow, which you may have already come across during EvaSys training. It will be dealt with in depth in this manual.

A major part of the evaluation is the creation of questionnaires. EvaSys offers you two tools for creating questionnaires: the VividForms Editor and the VividForms Designer (optional). In order to enable fast access to the explanations relating to the standard editor, which means the VividForms Editor, you will find one chapter on VividForms after the illustration of the manual's workflow. For the VividForms Designer a separate manual is available.

Following that, you will find notes on the system administration and consolidated settings (some of which are mentioned in related chapters in the manual).

EvaSys is available in three different suites (Education, Corporate, Healthcare) and with different system languages (Higher Education, Seminar Provider, Neutral). This manual is based on the Education Suite, which means that all screenshots are taken from the EvaSys Education System. Furthermore it is written using the "Higher Education" language, which means that terms such as "Instructor", "Course", "Dean" etc. will be used.

As the three EvaSys Suites mainly differ with regard to colors and terminology, but apart from this are designed nearly identical, this manual is intended for users of all suites. If you are user of an EvaSys Corporate or Healthcare system and your system is set to seminar provider or neutral language (the language can be set in the menu "System Settings/EvaSys Settings/General/Language"), please refer to the following table, which provides an overview on the differing terms in the system languages. It will help you substitute the Higher Education terms by Seminar Provider or Neutral terms.

Higher Education	Seminar Provider	Neutral
Instructor	Trainer	Project/Project Manager
Course	Course	Topic
Dean	Manager	Department Head
Dean of Studies	Program Manager	---
Program of Study	Program of Study	Group

Tabelle 1: Differing terms with regard to System Language

In this manual explanations are visualized through illustrations. In more complex windows, red eclipses/rectangles usually show which elements the comments in the text relate to.

Menu names are set in quotation marks: "menu name"

Buttons are set in angular brackets: [button]

Notes, hints and examples are important elements of the manual and become by a frame and a shading emphasised (in the PDF format by different ones Coloration).

Notes and important information can be recognized by a salmon colored background.

Hints can be recognized by a yellow background color.

Examples which illustrate explanations are marked with a light blue background.

All paths concerning the database are related to an installation with a MySQL database. If you use an MS SQL database, please ask your database administrator for the appropriate path.

All paths to the EvaSys tree are specified for the use of both an Apache Web Server (Standard path C:\Apache\htdocs\evasys\) as well as an IIS Web Server (Standard path C:\inetpub\wwwroot\evasys\). The name of drive C: is to be replaced by the drive name of the respective server.

1.1. Manuals and Documentation

In the following you receive an overview on the manuals and example files available for EvaSys and its special components.

1.1.1. User Guide

You now have the “User Guide” at hand. There are two options of opening/reading it:

- In paper form you received it with the acquisition of the software or can order other copies.
- As a PDF document you will find it in the administrator‘s access in the main menu “System Information” on the left side in the area “Documentation/Manuals”. Here a listing all EvaSys manuals is shown.

1.1.2. Further Manuals

Apart from the user guide, the following manuals are available:

- the manual “First Steps with EvaSys” which provides an overview of the most important features of your work with EvaSys. It is designed as a guide for beginners and helps you off to a quick and easy start;
- the manual “What’s new in EvaSys”, in which all of the newest innovations in EvaSys are listed, compared to the previous version;
- the “VividForms Designer Manual”, which is a guide to creating forms using the VividForms Designer;
- the “Scanstation Manual” which describes the scan process;
- the manual “EvaSys Calculations”, which provides an overview of the equations used in EvaSys for statistical calculations;
- the “XML Import Manual” which supports you in importing your data into EvaSys. You will be provided with the XSD for the import via XML (XML schema) and receive further detailed information.

All manuals listed here can be accessed by administrators and subunit administrators as PDF files directly in the EvaSys menu “System Information/Manuals”.

In addition, all manuals are, by default, stored in a directory on the server, under C:\Apache\htdocs\evasys\doc or C:\inetpub\wwwroot\evasys\doc (drive C:\ may need to be replaced with your server name). Also here, other manuals such as the “Installation Manual" and the "VividForms Reader Manual" can be found. The "Scanstation Guide" is available in the dialog of the Scanstation, the "VividForms Reader Manual" can be found in the dialog of the VividForms Reader.

In each active users account, the "Manual for Active Users" is available for guidelines, as well as the manual "Creating Questionnaires with the VividForms Editor".

Note:
All PDF manuals are provided with linked directories so that you can navigate comfortably. Should the linking not work, please check that the option "View documents in PDF/A mode" is set to "Never" in the settings of the Adobe Reader (menu "Edit/ Preferences/Documents/PDF/A View Mode").

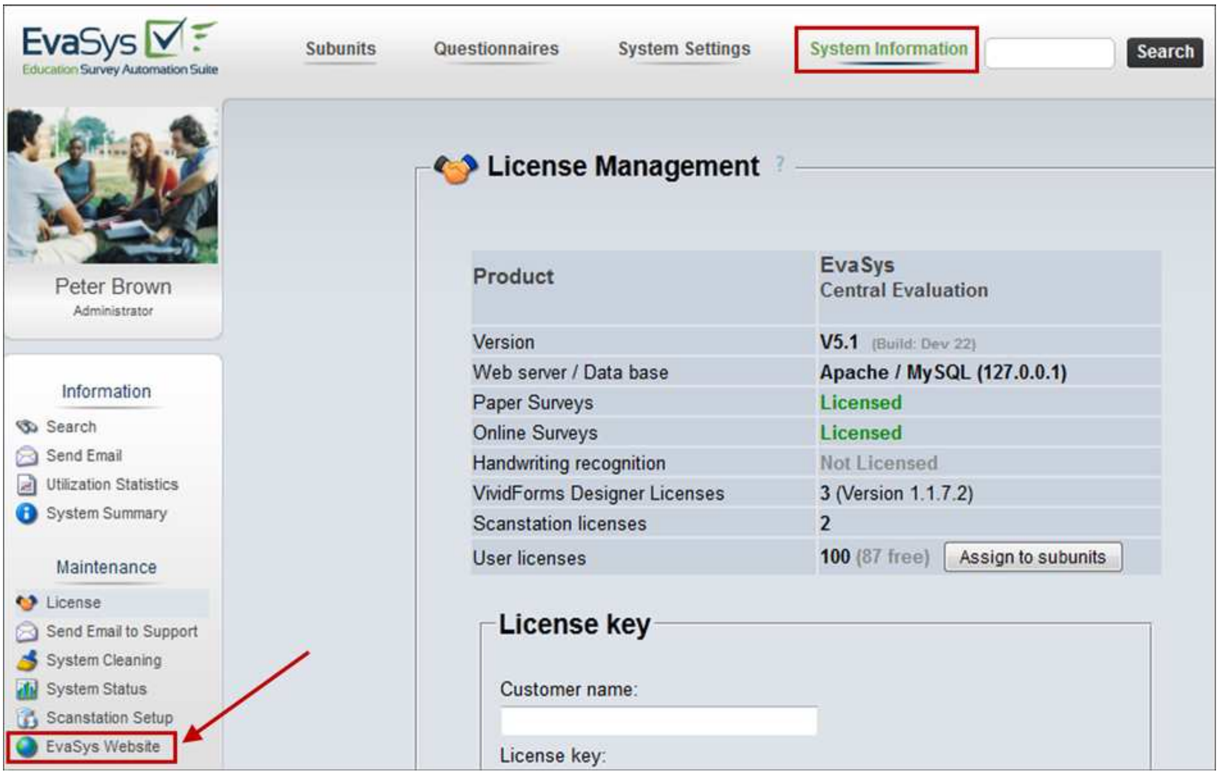
1.1.3. Sample Files

In the menu "System Information/Sample Files" there are a number of example and sample files that you can use to test different functions in EvaSys, such as the CSV import of users and course participants, imports into the question library, uploading a custom cover letter for the PDF report, etc.

1.2. Support

1.2.1. EvaSys Website and Support Area

When logged in as an administrator in EvaSys, – via the main menu "System Information" – on the submenu's left-hand side you will find the option "EvaSys Website":


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
Peter Brown
Administrator
Information
Search
Send Email
Utilization Statistics
System Summary
Maintenance
License
Send Email to Support
System Cleaning
System Status
Scanstation Setup
EvaSys Website
License Management
Assign to subunits
License key

Product	EvaSys Central Evaluation
Version	V5.1 (Build: Dev 22)
Web server / Data base	Apache / MySQL (127.0.0.1)
Paper Surveys	Licensed
Online Surveys	Licensed
Handwriting recognition	Not Licensed
VividForms Designer Licenses	3 (Version 1.1.7.2)
Scanstation licenses	2
User licenses	100 (87 free)

Customer name:

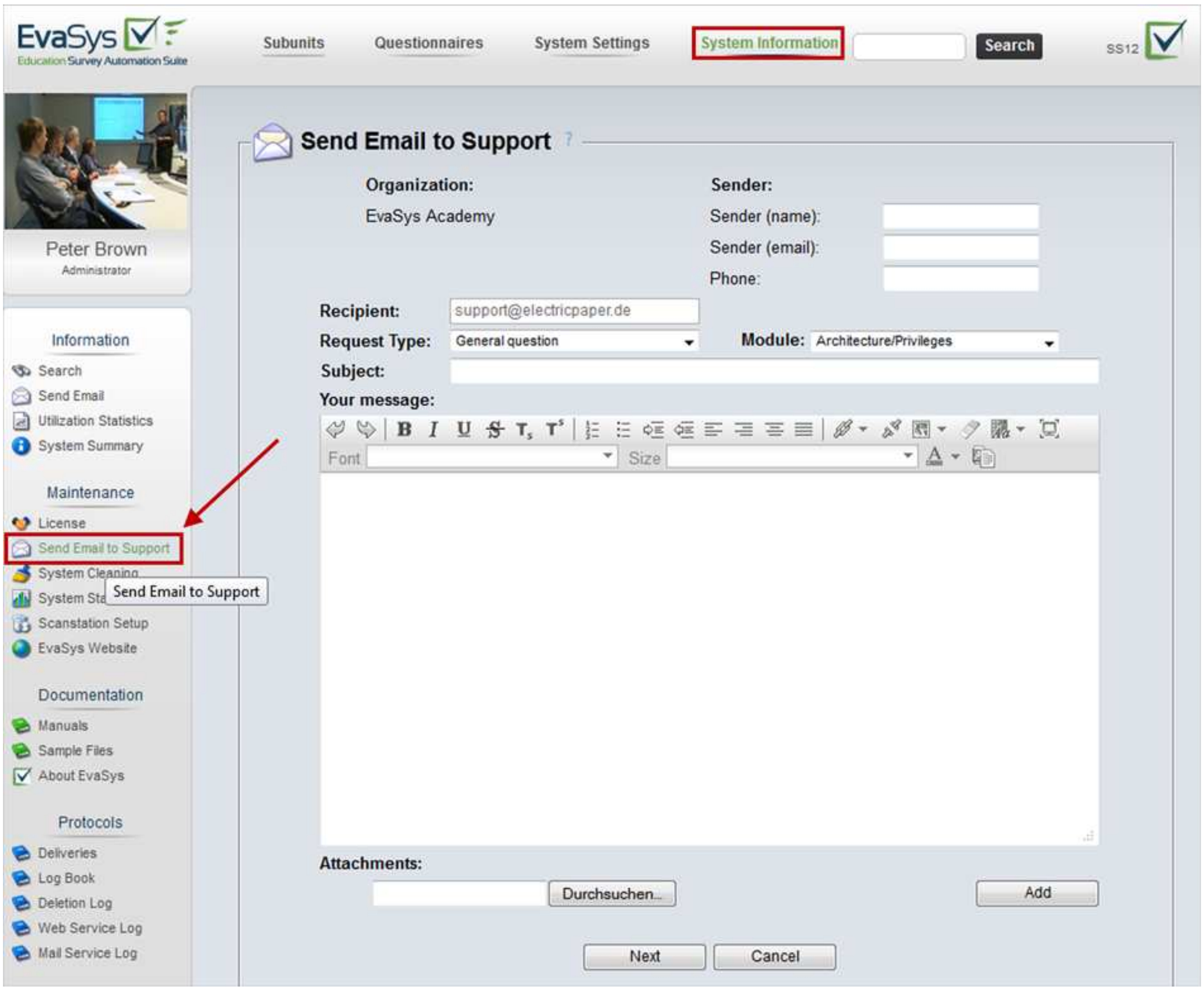
License key:

Figure 1: Link to the Support Area when logged in as an Administrator

When clicking the option [EvaSys Website], you are granted access to the EvaSys website and the EvaSys support area.

1.2.2. Email to the Support Department

In the main menu “System Information” you will find the option “Send email to support” in the submenu on the left. If you have a query addressing Electric Paper’s support department, click on this option. The following page will open:


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS12
Peter Brown
Administrator
Information
Search
Send Email
Utilization Statistics
System Summary
Maintenance
License
Send Email to Support
System Cleaning
System Sta
Send Email to Support
Scanstation Setup
EvaSys Website
Documentation
Manuals
Sample Files
About EvaSys
Protocols
Deliveries
Log Book
Deletion Log
Web Service Log
Mail Service Log
Send Email to Support
Sender:
Sender (name):
Sender (email):
Phone:
Subject:
Your message:
Font
Size
Attachments:
Durchsuchen...
Add
Next
Cancel

Organization: EvaSys Academy

Recipient: support@electricpaper.de

Request Type: General question

Module: Architecture/Privileges

Figure 2: Email to the Support Department

This function enables you to send an email to the EvaSys support department.

Enter your name as well as your email address in the field “Sender”. The selection list “Request Type” provides you with following options:

- General question: You have a question regarding EvaSys.
- Support inquiry: You have a problem with EvaSys and require assistance.
- Feature request: You have a suggestion for improvement or an idea to develop EvaSys.

Choose one of these query types and then choose the appropriate category under “Module”.

In the fields “Subject” and “Your message” you can type your message.

Below the message area you can add up to three attachments: click on [Browse…], select one file and click on [Add]. The attachment should not be larger than 1 MB.

After another click on [Next] a summary of your message will appear. Some pieces of information about your EvaSys will be included, such as the version number. Then click on [Send email] to send the email.

2. The Basics

For orientation purposes and as a glossary, this chapter outlines the most important terminology and concepts which are used repeatedly throughout the EvaSys Manual. Initially you can learn how EvaSys is structured and which components you will be working with. Then, as central evaluation and the de-central evaluation stem from two fundamentally different concepts, these concepts are also introduced. At the end of the chapter you will be acquainted with some basic terminology used in EvaSys.

2.1. Structure of the EvaSys System

EvaSys consists of four resp. five (with the VividForms Designer) components:

- the web server,
- the data base,
- the scanstation (or several scanstations) and
- the VividForms Reader.
- optionally the form creation software VividForms Designer

The following graphic gives you an overview of the interaction of the components mentioned:

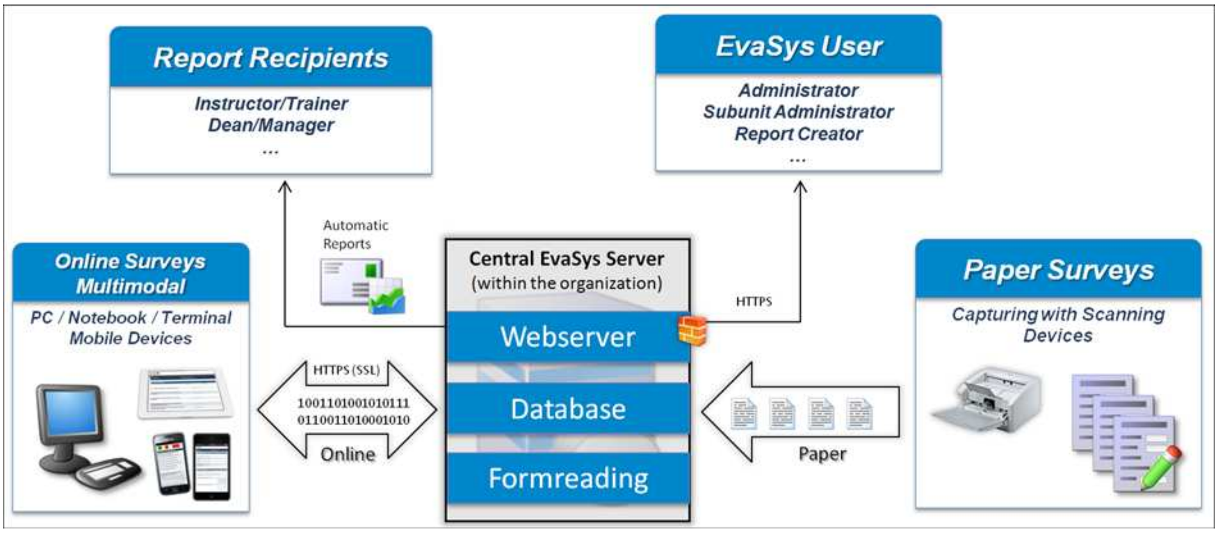

Report Recipients
Instructor/Trainer
Dean/Manager
...
EvaSys User
Administrator
Subunit Administrator
Report Creator
...
Automatic Reports
Online Surveys Multimodal
PC / Notebook / Terminal
Mobile Devices
Central EvaSys Server
(within the organization)
Webserver
Database
Formreading
HTTPS
HTTPS (SSL)
1001101001010111
0110011010001010
Online
Paper
Paper Surveys
Capturing with Scanning Devices

Figure 3: Interaction of the Components

The single components bear the following functions:

Web Server (EvaSys Interface)

EvaSys is controlled via the web server, providing users with the user interface, which is accessed via the web browser.

For data transfer, EvaSys offers two different access methods:

- a regular, unsecured connection via the http protocol and
- an additional, optionally usable secure connection via SSL. SSL stands for Secure Socket Layer and offers administrators the ability – if desired – to securely encrypt any data traffic from EvaSys. SSL connections are most easily recognized by “https” – instead of the usual “http” – in the browser’s address bar. Usually, current browsers graphically indicate the presence of a secure connection.

The number of users is only limited by the number of user accounts.

Participants of online surveys can also communicate with the EvaSys server via an encrypted connection.

Email messages to the respective recipients are sent via your local mail server.

Data Base

Any data generated through the utilization of EvaSys is stored in a data base. This means that the entire user structure, the questionnaires and the survey data is stored in this data base.

For this, a MySQL database or a MS SQL database is utilized.

Note:
Please be sure to save this data base at regular intervals!

Scanstation

Questionnaires are read by means of the Scanstation and the image files generated are transmitted to EvaSys for further processing. The Scanstation can be utilized directly via the EvaSys computer. Alternatively, one or more Scanstations may be linked through de-centralized computers.

Document reading can be carried out through VividForms:

VividForms/VividForms Reader

This is a solution that was developed specifically for EvaSys. With VividForms, questionnaires can be created directly via the web interface and later automatically processed via the scanstation. It also contains a web-based visual correction program (WebVerifier).

After you have created your questionnaires by means of VividForms, they are processed by the VividForms Reader.

The VividForms Reader receives the images transmitted by the scanstation and reads the questionnaires' raw data. This means:

Once you create a survey with a particular questionnaire in EvaSys, a file accurately describing this form is generated and stored in a folder on the server (form description file in XML format).

The VividForms Reader has access to this folder and, therefore, is familiar with those forms' images that may be produced. When receiving image files of scanned questionnaire batches, the VividForms Reader verifies the form in question. If the form is a familiar one, the VividForms Reader is informed by the form description file about the position of the check mark boxes. So it now can check to which degree each check mark box has been blackened. This is how it receives the survey's raw data.

This data is then transmitted to the EvaSys data base where it is in turn made available for further processing.

In the case of paper surveys, you scan filled-in batches of questionnaires using the Scanstation and a scanner. In turn, image files are produced and saved in a folder that is checked by the VividForms Reader at pre-defined intervals.

By means of the form definitions at hand, the VividForms Reader recognizes the blackened check mark boxes and transmits this data to the data base.

(The VividForms Reader cannot process the scanned questionnaires if these are not based on VividForms forms. Should this be the case, the image files are stored in a so-called NonForms folder, meaning in a folder for non-recognized image files.

With online surveys, of course no scanning is required. The data will be transferred directly to the data base.

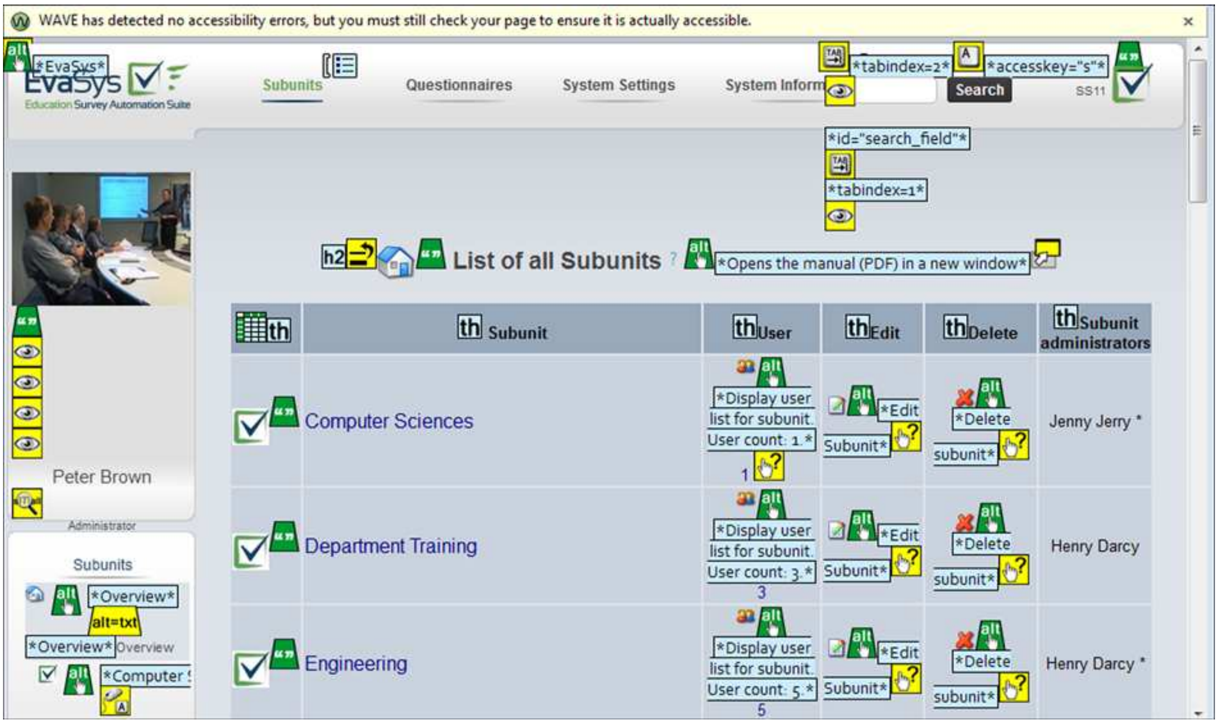
Once the data has reached the data base, the user can access the data base via the web server with a web browser and view the results of their survey.

2.2. Web Accessibility in EvaSys

The HTML content generated by EvaSys is optimized for accessibility. Particularly for participants of online surveys, special aids are built in to the display output. Such content can be detected by so-called screen readers and voice output can be used for a better understanding. This allows blind people to take part in online surveys easily and without complication. This enables people with disabilities to take part in online surveys without hindrance.

Electric Paper orientates itself on the "Web Content Accessibility Guidelines" (WCAG 2.0), which in turn are based on national guidelines (such as BITV or ADA Section 508). From a technical point of view, the presentation of online surveys is barrier free in accordance with the strict guidelines of the WCAG 2.0 Level AA and was certified for this by a neutral organization, the Swiss foundation "Access for All". However, the creator of questionnaires and online templates must consider certain aspects in order to provide complete barrier free access to the online form. For more details, please refer to chapter B 3.8.8. "Notes on Creating a Barrier Free Online Survey".

As part of the Electric Paper quality management, the graphical interface of the complete system is tested for Web accessibility using suitable tools such as “WAVE” (http://wave.webaim.org/).



WAVE has detected no accessibility errors, but you must still check your page to ensure it is actually accessible.

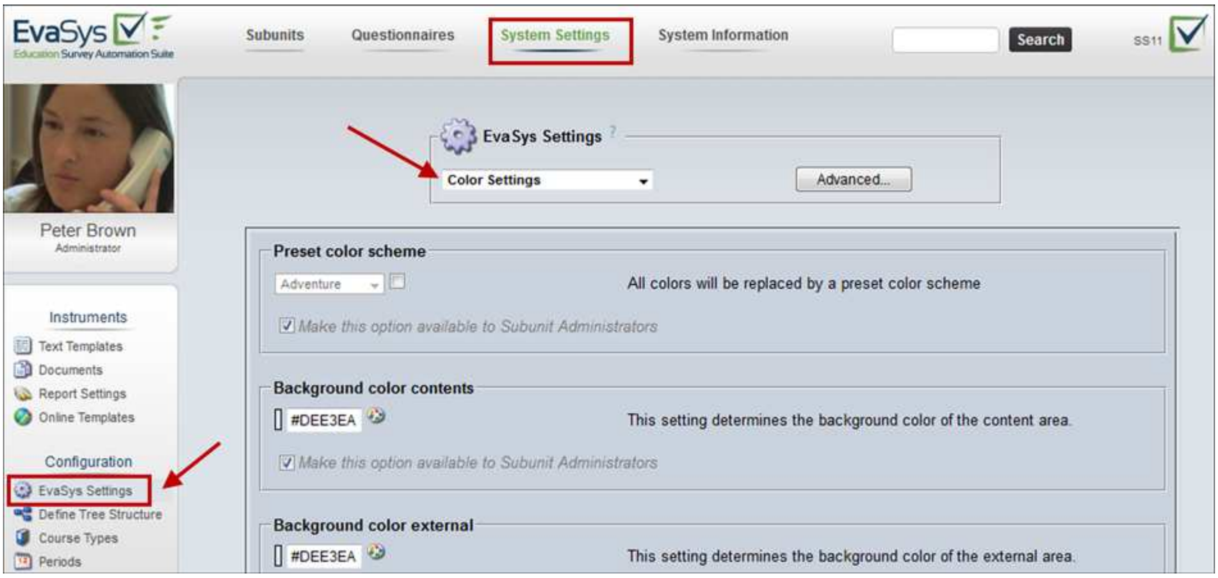
List of all Subunits

	Subunit	User	Edit	Delete	Subunit administrators
☑	Computer Sciences	1			Jenny Jerry *
☑	Department Training	3			Henry Darcy
☑	Engineering	5			Henry Darcy *

EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Inform
tabindex=2
accesskey="s"
Search
SS11
id="search_field"
tabindex=1
Opens the manual (PDF) in a new window
Display user list for subunit. User count: 1.
Edit Subunit
Delete subunit
Peter Brown
Administrator
Subunits
Overview
alt=txt
Overview Overview
*Computer S

Figure 4: Testing the EvaSys Interface with “WAVE”

The administration interface can be set with a contrast-rich color scheme by the administrator or subunit administrator.



EvaSys Settings: Color Settings

Preset color scheme
Adventure ☐ All colors will be replaced by a preset color scheme
☑ Make this option available to Subunit Administrators

Background color contents
#DEE3EA This setting determines the background color of the content area.
☑ Make this option available to Subunit Administrators

Background color external
#DEE3EA This setting determines the background color of the external area.

EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Advanced...
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods

Figure 5: Color Setting of the EvaSys Interface

2.3. Central Evaluation and Active Instructor Accounts

Within EvaSys, you have two options for governing responsibilities for surveys.

The option usually used for regular evaluation processes is the so-called “central evaluation” option. Hereby, a central evaluation office takes care of the evaluation’s coordination.

In addition to this central evaluation you may authorize individual instructors to create and conduct their own questionnaires and surveys. This is what is called “active instructor accounts”.

2.3.1. Central Evaluation: A Central Office controls the Evaluation

The central evaluation is tailored to a service and competence center, by which the entire evaluation is handled.

The instructors will only have indirect contact with EvaSys insofar as that after completion of a survey an email will be sent to them, outlining their evaluation results. Through further feedback options, instructors can receive comparative reports (comparing their own course to others in the course of studies and/or the faculty) or – prior to a survey – they can add their individual questions to the predetermined questionnaires.

At the end of an survey period, summary reports for deans (of studies) can be submitted and the collected raw data can be transferred for the implementation of further analyses in statistics programs such as SPSS, Excel or Sphinx.

This means that the system is managed and organized by a central entity. The Administrator works together with other user roles such as secondary administrators or subunit administrators. The EvaSys administrators create the structure as well the questionnaires, create the surveys and pass on questionnaires and reports.

This principle is illustrated in the following graphic:

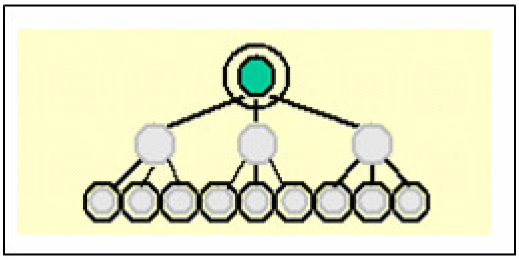


Figure 6: Central Evaluation Model

The central entity – the EvaSys administrator (top circle colored teal) – is in charge of the evaluation’s flow and ensures that the survey’s questionnaires are passed on to the instructors (bottom row of circles) of various sub-units (middle row). If desired, the tasks of the administrator can be distributed across other user roles (secondary and subunit administrators).

2.3.2. Active Instructors Accounts

In addition to this central control of the evaluation, it is possible to authorize particular users to carry out their own processing independently.

This means that the administrator – as the central body– can create active users or use those already in place. These subsequently require their user name and password and can log on to the system through the usual EvaSys registration screen.

Via their user accounts these users can then – depending on their type of authorization – implement all evaluation steps themselves. This applies to

- creating questionnaires. The administrator assigns the right to create questionnaires per user. Hence some users can create surveys, however, they can only use those questionnaires that are preset by the administrator. Others can edit these central questionnaires but cannot create new ones, etc.
- the implementation of paper and online surveys. With existing questionnaires, active interviewers can create new surveys as they see fit.
- the processing of a survey. After evaluating the data, an active instructor automatically receives the survey's result which can be edited, for example by summarizing it with other reports, establishing subgroups based on specific criteria (such as age, gender, etc.) and so on.
- the export as CSV file and into statistics tools such as SPSS and Sphinx. Also active instructors can, of course, edit the results of their surveys further in other programs.

Just like the administrator, active instructors access EvaSys via a web browser. This means that they can theoretically access the system from any PC that has internet access (unless the administrator applies certain restrictions for security reasons). As is the case with administrator's access, security is accorded through a log-in, only accessible with a password as well as the option to use SSL-encryption.

With paper surveys, the questionnaires are collected via de-centralized Scanstations which are operated by the instructors themselves. Carrying out the scanning process is so simple that no training is required. The active instructor accounts are useful in the following types of surveys and for the following users:

- An instructor of psychology or sociology wishes to collect data during a research project using EvaSys. This way you can give the instructor the opportunity to generate empirical data.
- Students/postgraduates often base their work on empirical surveys. The EvaSys administrator can assign an active account in EvaSys to the respective tutor (professor). In turn, the tutor can grant his students/postgraduates access to his account.
- Departments/faculties have a requirement for surveys that are carried out outside of the centrally managed evaluation. These may, for example, be surveys carried out in refectories, canteens and libraries but may also be surveys carried out

among graduates and which can also be managed through active instructor accounts.

In the following graphic you see at the bottom level the active instructors whose “license to evaluate” is highlighted by blue colored rings:

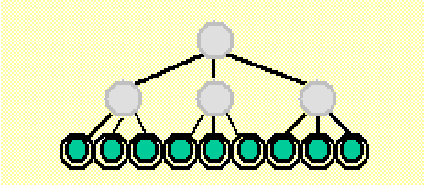


Figure 7: Active Accounts (in Addition to Central Evaluation)

Of course, active instructors are not able to access one another’s results. Only the active instructor himself and the administrator/subunit administrator have an insight into the data. (If you have been using EvaSys for some time, it may be noted that this type of evaluation was formerly known as “de-central evaluation”.)

2.4. Basic Terminology within the EvaSys User Guide

Within this manual, you will come across some terms repeatedly. Due to their importance, their meaning is outlined in the following:

Quires

Questionnaires may be several pages long. The complete copy of a questionnaire, including all its pages, is called quire. As soon as more than one sheet of paper is needed, ONE quire comprises SEVERAL sheets of paper. Quires may also be known as “booklets” in other applications.

Instructor Accounts: Active - Passive

Surveys are always created for particular instructors and courses. Therefore, you require the instructor of the course as an element within the EvaSys structure. These instructors are managed centrally by the administrator. We talk of a passive instructor account when only the administrator can access the instructors, for example in order to create surveys centrally for the instructor’s course.

If the instructor himself is additionally authorized to log-on to create questionnaires or surveys, we talk of an active instructor account (also see chapter A 2.3.2. „Active Instructors Accounts“).

Questionnaire

In EvaSys, the term “questionnaire” may have two meanings:

- Firstly, in EvaSys it refers to the file which serves as a template for a questionnaire and determines the layout of a questionnaire that is used for numerous surveys.

  In this case it is a PDF file that contains the questionnaire and determines which options for questions and responses appear in what design on the questionnaire. This template can be used for creating both paper and online surveys (however, in the case of online surveys with VividForms questionnaires, the design is not defined through the questionnaire).

  Therefore, the footer of a VividForms questionnaire contains for example the word "SAMPLE" instead of a barcode.

  This is what is usually referred to when a "questionnaire" is mentioned in the manual. This also becomes clear in the respective context.

- Secondly, when creating a survey, you of course receive a particular questionnaire which you pass on to the respondents.

  As soon as you create a paper survey, a copy of the sample questionnaire is created and the variable areas of the questionnaire for this survey are filled (hard copy procedure).

  If you do not wish to receive a new print template for each survey, the questionnaire's blank version can also be used (cover sheet procedure). In this case, the personalizable areas of the questionnaire remain blank: only the barcode area contains information on which questionnaire and which page of questionnaire it relates to.

  However, in this case you must use a cover sheet (which is automatically created for each cover sheet survey) when you send out surveys. This cover sheet contains all further details of a particular survey (course, instructor, etc.) and has to be scanned in along with the respective questionnaire batch. Because here, the cover sheet functions as a reference to the relevant survey during processing.

  In the case of VividForms questionnaires, online surveys are only possible as HTML surveys; here you do not need a personalized PDF file. (However, you do of course require the sample PDF.) When creating an online survey, the HTML questionnaire is automatically created in accordance with the layout of your questionnaire (your PDF template). Of course, you have the option of changing the layout of the online survey (using online templates, for which a separate Manual is available).

NonForms

A non-form is a scanned page that is not recognized as a form.

This may be the case when you:

- scan a questionnaire that does not yet exist in EvaSys. Then the VividForms Reader cannot read this form and will treat it as a non-recognized form.
- scan an EvaSys form that is faulty in some way. For example, the forms were stapled together and the corner(s) were cut off, or they were scanned in askew, which

too, destroys the corners needed for alignment. The form can not then be identified.

- scan something completely different, for example, in order to test the scanner. These image files will also be treated as non-forms.

The VividForms Reader stores the non-forms in a so-called non-forms folder.

Survey/Survey Process

Conducting a survey in EvaSys is a process based on a questionnaire. In order to create a survey, you have to select an existing questionnaire in the system and which you utilize for the survey.

As a consequence, a personalized copy of the questionnaire template is created and linked to this particular survey (hard copy procedure), or, respectively, a cover sheet for the survey is created which supplements the standard questionnaire with survey details (cover sheet procedure). The related survey is identified through a distinct mark (in the case of VividForms, for example, a barcode) on the personalized questionnaires or on the cover sheet respectively. This distinct mark is read during processing. Only the correct identification of a survey by means of this number enables the correct assignment of generated data to a particular survey in EvaSys.

3. System Start-up and Security

The initial operation of your EvaSys server was carried out during installation and test runs by our technicians. This includes the installation and configuration of the required software programs, including the connection and testing of collection devices (production-level scanners). Finally the system is integrated into the local network so that the users have access to the system with their Web browser. Such access by users can, if required, be severely limited. The final step is configuring the mail server which sends reports and messages from EvaSys.

For maintenance purposes we recommend having so-called remote maintenance access, which allows our technicians to have direct access to your local EvaSys system so that they can quickly and systematically analyze and remedy any problem that might arise. The alternative would be a lengthy diagnosis via telephone.

3.1. Adjustment to your Organization

EvaSys has login screens, shows colors when working with the software, sends emails, documents etc. Many of those visible elements contribute to the appearance of your or institution or organization and thus can be adjusted according to your needs.

In the following chapters you will get an overview on how change the layout of the system and the relevant documents (or where to find the relevant chapters in the manual).

3.1.1. Logging into EvaSys: Entry Points

The EvaSys server offers users two entry points to login. Put a link to the relevant entry point at an appropriate place on your university/company website.

Entry point for Instructors and Administrators

<EVASYS-SERVERADRESSE>/INDEXEVA.PHP

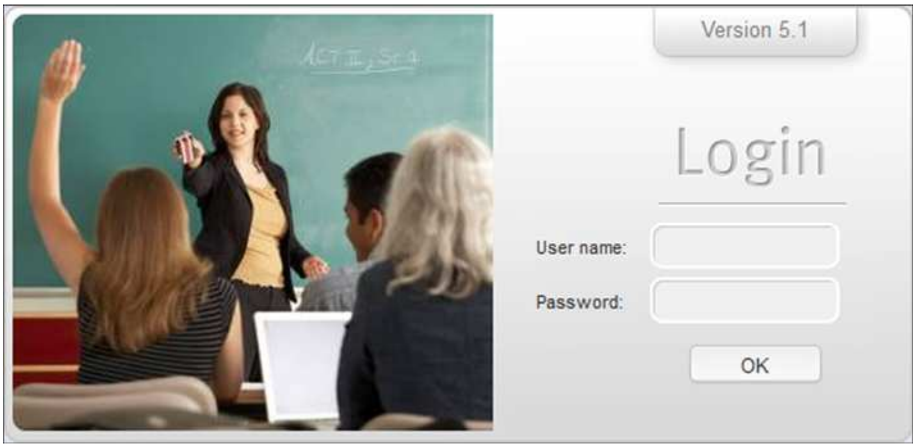


Figure 8: Entry Point for Instructors and Administrators

Portal for instructors and administrators. User names and passwords are required. When access is limited this page can be opened only from computers in the defined IP address domain for users.

Entry Point for Participants of an Online Survey

<EVASYS-SERVERADRESSE>/ONLINE.PHP

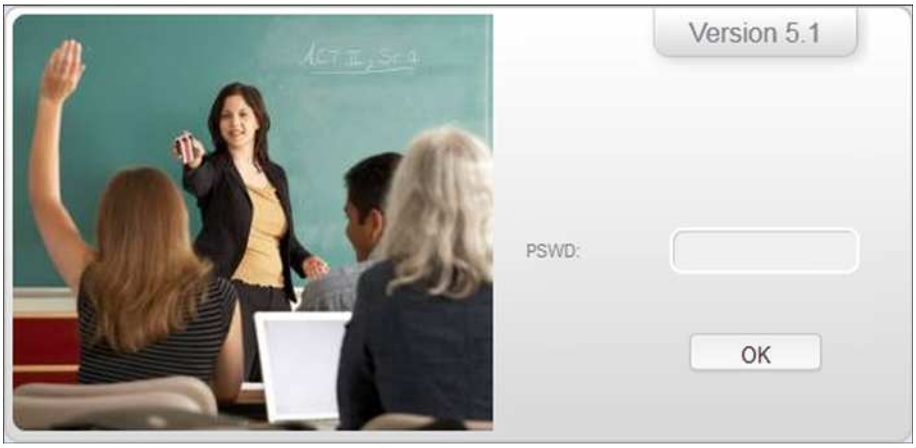


Figure 9: Entry Point for Participants of an Online Survey

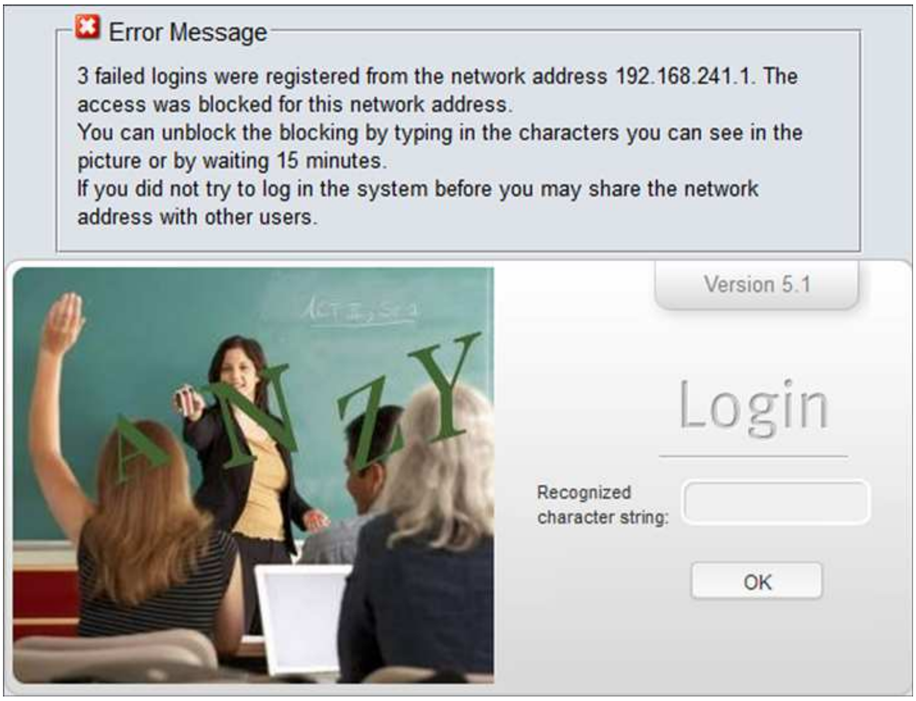
Portal for voting in online surveys. A PSWD is required.

3.1.2. Login Security

Showing a CAPTCHA Graphic

EvaSys offers you the possibility of blending in a so called CAPTCHA graphic, after a defined number of failed logins from an IP address. This function protects EvaSys from automated attacks.

CAPTCHAs are graphics in which figures (numbers or alphabetical characters) are displayed, so that machines cannot read them. They are employed to detect whether the counterpart is a human being or a machine. If CAPTCHAs are activated, after multiple failed login attempts the user is prompted to enter a CAPTCHA:



Error Message

3 failed logins were registered from the network address 192.168.241.1. The access was blocked for this network address.
You can unblock the blocking by typing in the characters you can see in the picture or by waiting 15 minutes.
If you did not try to log in the system before you may share the network address with other users.

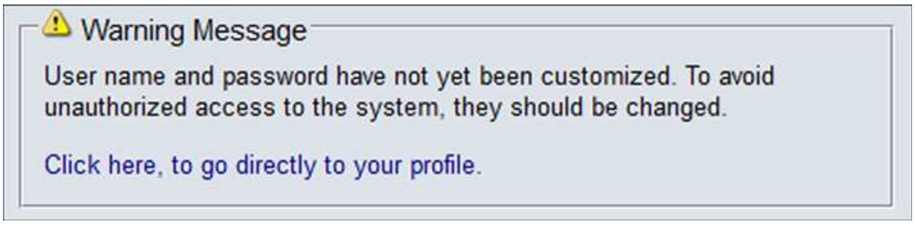
Figure 10: CAPTCHA-Function after several failed Logins

If the CAPTCHA is entered correctly, the user may repeat the login procedure.

You can activate CAPTCHAs under System Settings/EvaSys Settings/System Security. In addition, you can define the number of failed login attempts to trigger a CAPTCHA. The number of failed login attempts always relates to a time frame fixed by you (again, under System Settings/EvaSys Settings/System Security). Should a user fail to login correctly within the given time, he will be requested to enter a CAPTCHA. At the same time, the login screen will be blocked for the IP of the potential assailant for the defined time (in minutes). This block can be prematurely lifted by entering the CAPTCHA correctly.

Warning Message when using the Standard Password

As long as the predefined standard login (admin/admin) has not been changed, a warning message appears when the administrator logs in with a prompt to change the user name and password. Both can be adapted in the menu “System Settings/My Profile” (see chapter B 2.2.2. „Generating and Managing User Accounts“).



Warning Message

User name and password have not yet been customized. To avoid unauthorized access to the system, they should be changed.

Click here, to go directly to your profile.

Figure 11: Warning message when using the standard password

The use of the predefined login is a security risk for working systems.

Check for Update Notification

Once the administrator has logged in, automatic checks for updates are carried out at regular intervals (standard value is 30 days). When checking for updates, data is transferred from the EvaSys system to the update server via the administrator's web browser (the EvaSys server itself does not connect to the update server). The following information is included:

- the customer name,
- the license key,
- the current EvaSys version,
- the default system language,
- the current configured language,
- the product derivative,
- the content of the configuration setting “server root path”,
- the ID of the supplier,
- a unique ID for the update check process itself, which is added for reasons of security.

This information is SSL encrypted in its entirety and serves solely technical purposes. No personal data or captured data from the system is ever transmitted.

If you do not agree to the transfer of the above mentioned information, this function can be deactivated in the system settings (“System Settings/EvaSys Settings/Maintenance/Automatic Update Check”). Independent of this function, you will be informed of available updates through other channels.

If the administrator uses a secure https connection to the server and if the main server path in EvaSys is also defined for https (like https://example.com/evasys) and a secure certificate is not installed on the server, the update check will not function.

As the use of non-secure certificates can cause also problems at other sites, and browsers generally recommend not connecting to a server with an unsecure certificate, it is highly recommended to acquire a secure certificate.

You will usually get further information on the certificates of your organization from your IT department.

3.1.3. Adjustments in EvaSys Settings – Texts, Colors, Documents

You can also adjust EvaSys to your organization in several points. Some text sent respectively shown by the system can (and partly should) be changed in the EvaSys Settings. You can find these on the left hand side in the main menu System Settings.

Your changes are only active when you save them. For that purpose click [Save] at the bottom of the page. With [Undo] you can reconstitute the default settings.

By changing the following settings you can adjust EvaSys to your organization:

- You can change the header of the login-screen (default is “Faculty Evaluation Feedback System”) in the EvaSys Settings (main menu “System Settings”). On the page “General” you will find the option “Title Login Window” to change this title.
- Define the welcome text for the first login of an active instructor in the EvaSys Settings on the page “Instructor Accounts (GHD)”. There you will find the option “Welcome text for the first login”. As it contains a placeholder for the name of your organization, at any case change this text to be sure it makes sense. (Default: Welcome to EvaSys, the evaluation system of LACE NAME OF ORGANIZATION HERE]. Please start by changing your password. Click on “My profile” in the navigation menu on the left. To return to this page, click on “Folders”.)
- For denied access you can define a redirection address at “EvaSys settings/ network settings”, option “HTTP redirection address”. The default value is “http://www.evasys.de”.
- The so-called supportlink can be found at “System Information”/“EvaSys Website” and provides you a quick access to the webpage of Electric Paper. If you wish to change the text of this option and/or the link, you can change them at “System Settings”/ “EvaSys Settings” on the page “Network Settings”. There you will find the options “Display value support link” (default: EvaSys Website) and “HTTP link on support page” (default: http://www.evasys.de/support).
- If you want to change the colors of EvaSys, use the page “Color Settings” (“System Settings/EvaSys Settings”). You can choose one of several color schemes or define your own colors.

The following settings affect documents that are sent/handed out at different occasions:

- PDF report:

  The PDF report you get for your evaluation can of course be adjusted to your needs in different respects. The possibilities are described in detail in chapter B 4.6. „Instant Feedback: The PDF Report“.

- Letter of the PDF report

  You can automatically create a letter for the PDF report of your evaluation. There you can see a sender whom you can define in the menu “System Settings/Report Settings/Configuration”. There you will find the option “Sender part 1” to “Sender part 3” as well as “Sender above recipient address”.

- PSWD cards for online surveys

  For online surveys you (mostly) need a number of so-called PSWDs (transaction authorization code). A PSWD is a number-character-combination that serves for the unique identification and the login of the students/participants.

  When generating an online survey a PDF file with the necessary number of PSWD is created. The PDF contains the PSWDs as cards that can be cut out and distributed to the students/participants. On the cards you will find an explanation text that can be changed at “System Settings”/ “EvaSys Settings”, page “Survey Online”. There you will find the option “Instruction text for PSWD cards”. The default text is “This PSWD allows you to participate in an online survey. Please use a web browser to open the following web address:”.

  PSWD documents can now be generated in four different formats:

  - 3x8 PSWDs per page (A4)
  - 2x7 PSWDs per page (A4)
  - 3x7 PSWDs per page (A4)
  - 3x6 PSWDs per page (Letter)

  Additionally, a format can be selected that enables the PSWD to be applied to the PSWD card in the form of a scannable QR Code:

  - 3x8 PSWDs per page (A4) with QR Code

  The standard setting is the original format of 3x8 PSWDs (A4).

  The format of the PSWD document can be selected in the configuration (“System Settings/EvaSys Settings/Survey Online/Format PSWD document”).

- Cover Sheets:

  When conducting paper cover sheet-surveys in addition to the questionnaire a cover sheet is generated. It serves for the unique identification of the survey in the scanning process. At “System Settings”/ “EvaSys Settings”, page “VividForms” the text of the VividForms cover sheet can be modified (default text: empty).

- Certificate of participation:

  A certificate of participation is available only for users of activated accounts after analysis of the survey. The certificate can be retrieved in the details of the survey after evaluation.

  The footer can be changed at “EvaSys Settings/Instructor Accounts (decentral)”. There you will find the option “Footnote certificate of participation”.

- Certificate of results:

  In contrast to the certificate of participation this document gives the score for each of the dimensions given in the survey. Its description is identical to the Certificate of Participation.

3.1.4. Adjustments in the Text Templates

At any case you should check the text template that serve as templates for letters, emails and welcome texts at different occasions. Some of them should urgently be adjusted, some of them may be. For this purpose please read the chapter about the text templates.

3.1.5. Adjustments in the Documents

You can add documents to the emails sent by the system.

For example you can send the evaluation regulation of your institution together with the PDF report.

In addition to this the adjustment of the documents affects the letter that can be added to the evaluation report. The text of the letter is defined in the text templates, but the layout is defined by means of a PDF template with variable fields. The layout of the template can be adjusted freely and can thus e.g. correspond to your corporate design. (Nevertheless it is – of course – dependent of the content of the letter and the corresponding fields.)

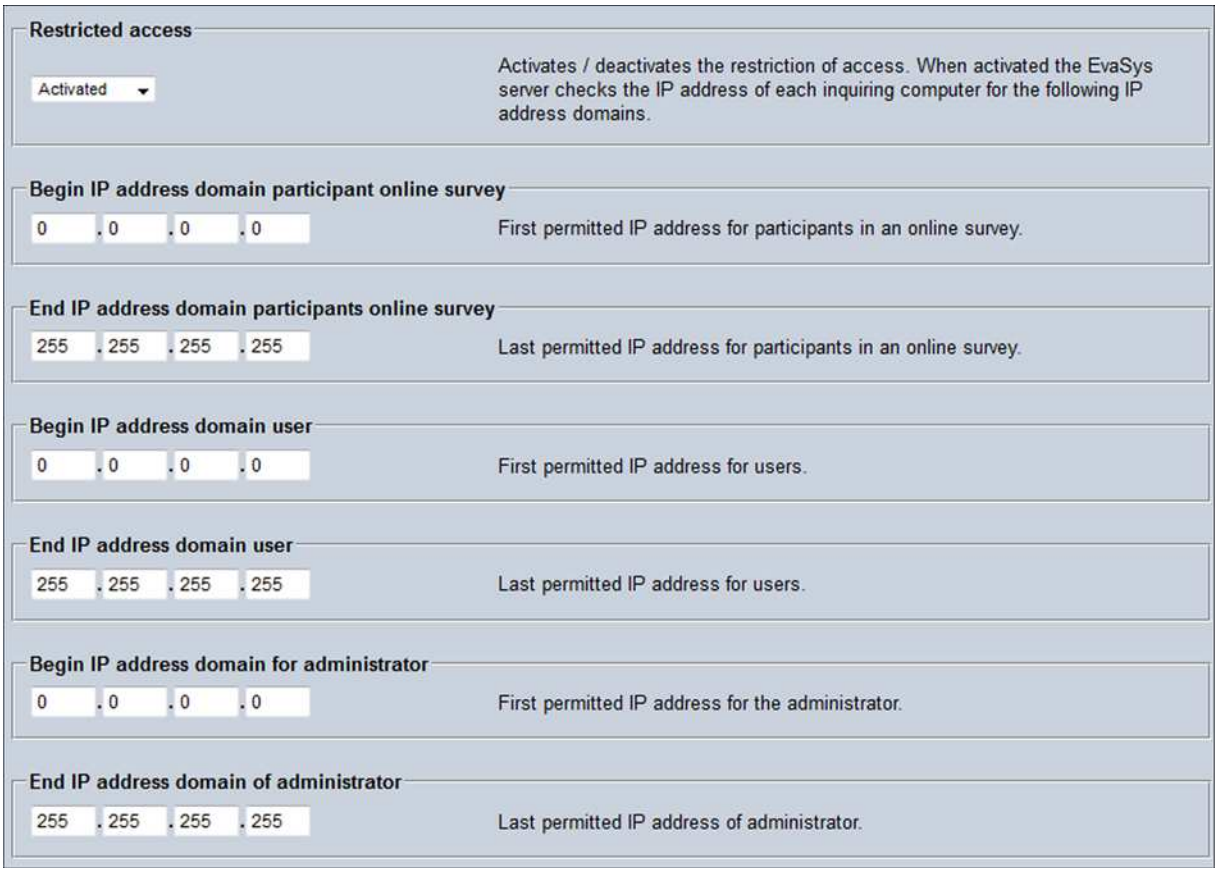
Please see chapter B 4.6.2. „Components of the PDF Report " for more information about the layout of the PDF template.

3.2. Defining Access Rights

In addition to access rules which can be set up by your local computing center, EvaSys allows you to determine access rights for three groups:

- Administrators
- Users (activated instructor accounts, data entry assistants, report creators, etc...)
- Participants in online surveys

You can define valid IP address ranges for each of these user groups under "System Settings/Evasys Settings/System Security". For this, the first and last valid address range is entered respectively:



Restricted access

Activated

Activates / deactivates the restriction of access. When activated the EvaSys server checks the IP address of each inquiring computer for the following IP address domains.

Begin IP address domain participant online survey

0 . 0 . 0 . 0

First permitted IP address for participants in an online survey.

End IP address domain participants online survey

255 . 255 . 255 . 255

Last permitted IP address for participants in an online survey.

Begin IP address domain user

0 . 0 . 0 . 0

First permitted IP address for users.

End IP address domain user

255 . 255 . 255 . 255

Last permitted IP address for users.

Begin IP address domain for administrator

0 . 0 . 0 . 0

First permitted IP address for the administrator.

End IP address domain of administrator

255 . 255 . 255 . 255

Last permitted IP address of administrator.

Figure 12: Defining Access Rights

For each of these user groups you can specify under “EvaSys Settings/Network settings” a valid IP address domain. In each case both the first and the last valid address are entered.

Example:

Your computing center informs you that instructors can have IP addresses in the domain 134.127.0.0 until 134.127.127.255. This gives the address 134.127.23.142 access, but not 134.127.142.34. You need to enter the IP addresses given both at “Begin IP address domain user” as well as at “End IP address domain user”. Access security becomes effective as soon as the field “limited access” is set at “activated”. Confirm with [Save].

When access is denied a message is shown for a few moments and then the individual is redirected to a website given at the “HTTP redirection address”. You can put in the address of an appropriate website in your intranet.

3.3. Implementing Backups

Before you begin to conduct surveys with EvaSys and as such, collecting data, it is imperative that your IT department sets up a back-up routine. EvaSys does not include a 'trash can'. Although any deleting process takes place in two steps and must be explicitly confirmed, once confirmed, the deleted forms or surveys are no longer retrievable.

Therefore, please ensure that your IT department backs up the database, if possible, on a daily basis. Where necessary, lost data can only be reconstructed with a back-up. The following sections explain how the database is backed up and which additional files also need to be included with this.

3.3.1. Backing up the Database

The EvaSys database contains:

- All of the profile data (organization, department, user)
- All of the surveys with raw data as well as statistical indicators
- The contents as well as the evaluation rules governing all questionnaires
- Operating data (logbooks, survey periods, PSWD lists)

You should regularly backup the database.

In case of a MySQL database, the MySQL service must be stopped first. Therefore open a command line by “Start/run…”, type “cmd” and press enter. Type “net stop mysql” and the database server will stop. You can then save the contents of the folder

C:\apache\mysql\data\evasys2 (respectively C:\MySQL\data\evasys2\)

and start the MySQL service again. To start the database server enter the command line “net start mysql”. Close the command line by entering “exit”.

If you use a MS SQL database, please consult your database administrator.

Additionally, the Apache resp. IIS service should be stopped, because otherwise further components' attempts to access the database might fail. The corresponding command is “net stop apache2” resp. “net stop w3svc”. After the backup the service can be restarted by the command “net start apache2” resp. “net start w3svc”.

Generally it is advisable to stop all EvaSys services before carrying out the backup. The further services are:

- VividForms Reader Service for form reading
- Cron Service for initiating scheduled tasks and performance checks
- Memcached Server Service for having in store templates of online surveys on the server
- ESCCMailservice for sending emails via scheduled tasks

To stop the services the following commands can be used:

- net stop vfreader

- net stop cron
- net stop memcached
- net stop esccmailservice

To restart the services after the backup, use the command “net start …”.

3.3.2. Backing up the Image Files of the Open Questions

The answers to open questions are saved as PNG image files. You can find these by use of an Apache web server in the folder: C:\Apache\htdocs\evasys\img or by use of an IIS web server in the folder C:\inetpub\wwwroot\evasys\img.

Here you will find the images of the open questions as well as the images which are shown in the verificator. The folder structure is defined as [survey period\sub-unit\user\survey].

Before you backup these files we recommend that you stop the Apache or the IIS service and then restart after finishing.

3.3.3. Backing up the Original Image Files from Scanstation

The EvaSys scanstation software can create a backup copy from every batch. You can make this backup copy in an archive folder defined in the Scanstation. The exact path to the archive directory can be found in the Scanstation settings, tab “Scan Destination”. For further information, please consult the Scanstation Manual.

B. Your Evaluation Process: The Phase Model

Over the course of this chapter you will be acquainted with the actions and settings which are important for your evaluation work with Eva Sys. This ranges from displaying the structure of your university or organization, to creating questionnaires and implementing and processing captured data.

Out of our experience a five-step phase model has evolved that follows in chapter B and so will be introduced to you first. This way you can get your bearings within the chapter and find relevant paragraphs fast.

1. The Phase Model – Your Workflow in the Process of Evaluation

This chapter first offers a brief overview of the phase model, before the respective phases are discussed in detail. The following five stations show the implementation of survey periods in accordance with the procedure of central evaluation:

- Phase 1: Preparation
- Phase 2: Implementation
- Phase 3: Capture and instant feedback
- Phase 4: Expanded reports
- Phase 5: Quality management

The single phases comprise of the following steps:

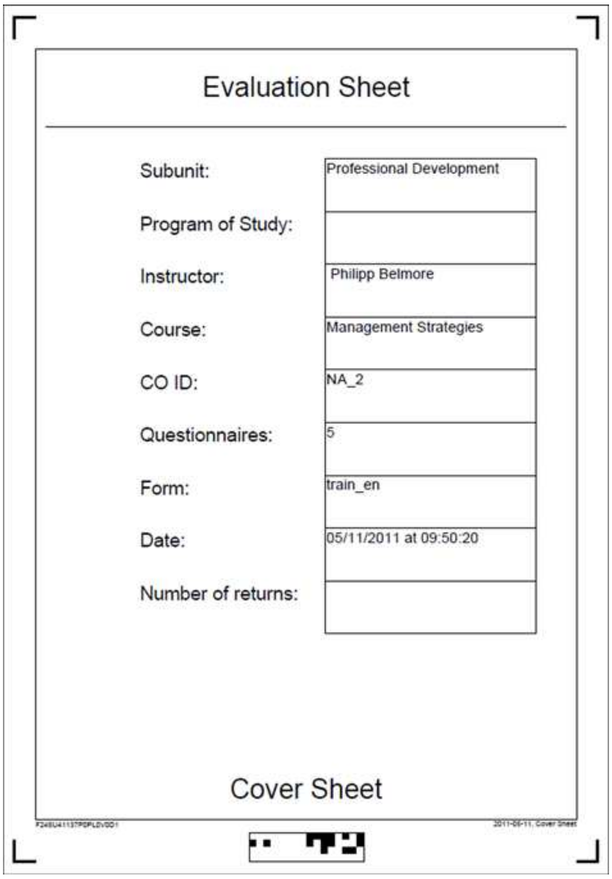
Phase 1: Preparation

- Create the organizational structure (subunits, instructors, courses) OR
- Create subunits and import instructors/courses (CSV import) OR
- Import subunits, instructors and courses (XML import)
- Integrate the questionnaires
- (possible setting of additional report definitions)
- (possible definition of norms and/or quality guidelines)
- Generate survey procedures
- Integrate individual questions (Instructor’s Operational Questions) through feedback loop to the instructor

Phase 2: Implementation

- Mass production of individualized questionnaires (for hard copy procedure)
- Download cover sheets and dispatch envelopes containing pre-produced questionnaires to instructors (for cover sheet procedure)
- Generate and dispatch PSWDs (for online surveys)

- Produce individualized questionnaires and/or dispatch PSWDs (for hybrid surveys)
- Implementation of surveys and return of responses to the capture location (all procedures simultaneously)



Evaluation Sheet

Subunit:	Professional Development
Program of Study:	
Instructor:	Philipp Belmore
Course:	Management Strategies
CO ID:	NA_2
Questionnaires:	5
Form:	train_en
Date:	05/11/2011 at 09:50:20
Number of returns:	

Cover Sheet

Figure 13: Cover Sheet

Phase 3: Capture and Instant Feedback

- Capture of questionnaires (all procedures simultaneously)
- Reminder function for online survey participants
- Manual anonymizing of handwritten comments (if required)
- Automated delivery of report documents by email or internal mail

OR

- Download of the report documents by the instructor

Phase 4: Expanded Reports

- Create summary reports
- Filter and combine reports
- Mass dispatch of comparative profile lines
- Compare various questionnaire versions

- Export raw data to Excel, SPSS or Sphinx
- Archive raw data

Phase 5: Quality Management

- (possibly definition of norms and/or quality guidelines)
- Enable QM Screens, giving deans an insight into the evaluation results of a department
- Generate new norm values for the following evaluation period

Some steps need to be performed only once – or at least very rarely (for example creating questionnaires); others must be performed for each period (for example the creation and implementation of surveys). Some steps may not (yet) be relevant to you, for example the creation of norms for which you should already possess evaluation data. Other steps are necessary in each evaluation (such as, again, the creation and implementation of surveys)

To give you an overview of how EvaSys can support you in your evaluation, the individual phases are accurately outlined in the following. This way you can best decide which elements you wish to use and how you design them.

2. Phase 1: Preparation of a Survey Period

The preparation of a survey period includes:

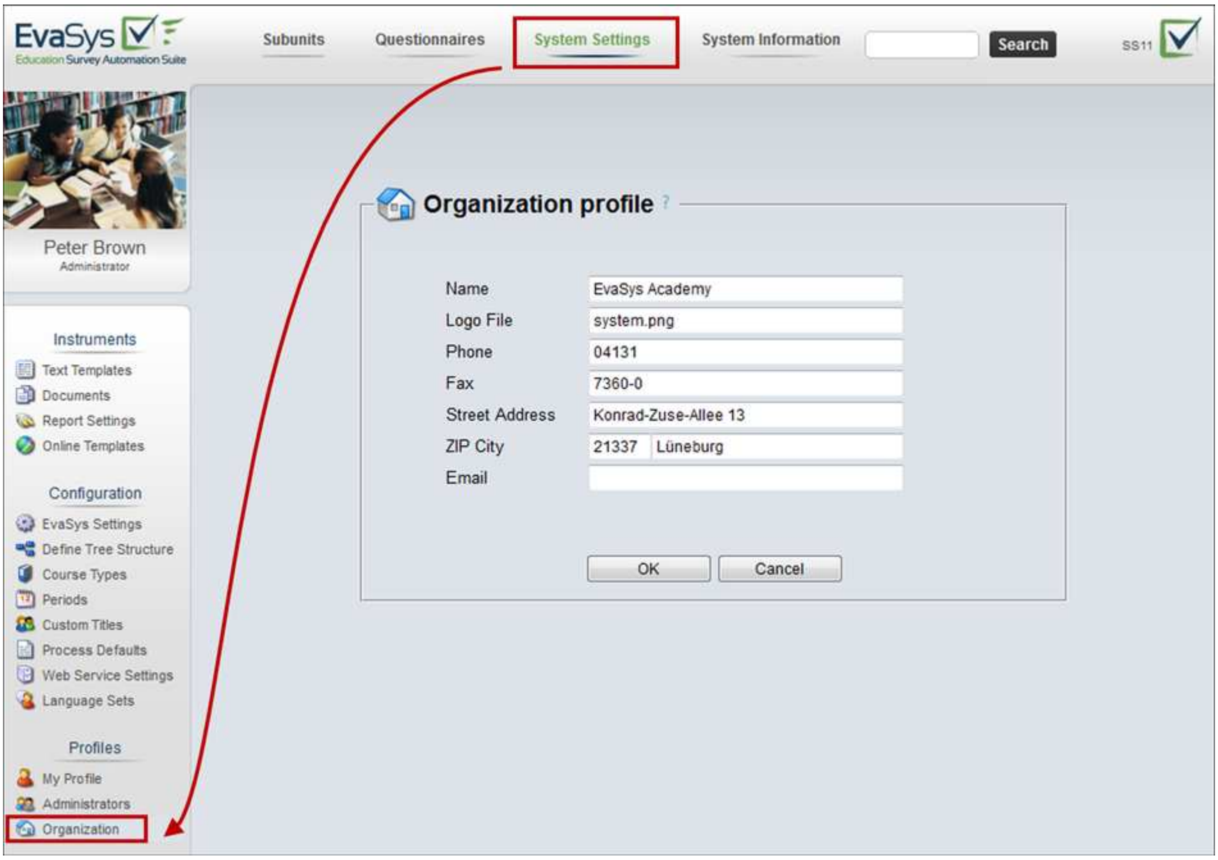
- The selection of a questionnaire
- The selection of a survey procedure
- The setting up of subunits
- The setting up of user accounts

2.1. Preliminary Steps

Before creating the organization structure, some basic settings should be defined in the system. Apart from adapting the organizational data, also the evaluation periods, course types and forms of addresses (if required) should be defined.

2.1.1. Define Organizational Data

The profile data of the organization used by EvaSys for the evaluation can be adapted in the menu “System Settings/Organization”. Please enter all required information and click [OK] to save the settings.


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Custom Titles
Process Defaults
Web Service Settings
Language Sets
Profiles
My Profile
Administrators
Organization
OK
Cancel

Organization profile

Name: EvaSys Academy
Logo File: system.png
Phone: 04131
Fax: 7360-0
Street Address: Konrad-Zuse-Allee 13
ZIP City: 21337 Lüneburg
Email:

Figure 14: Defining Organizational Data

2.1.2. Course Types, Periods, Custom Titles

These menu items enable the creation of settings for course types, survey periods and custom titles. They are located in the left context menu (Configuration) in the main area System Settings. This basic data is very important and should be permanently defined before beginning operations.

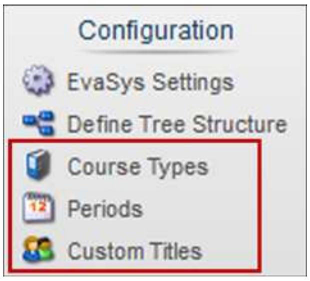

Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Custom Titles

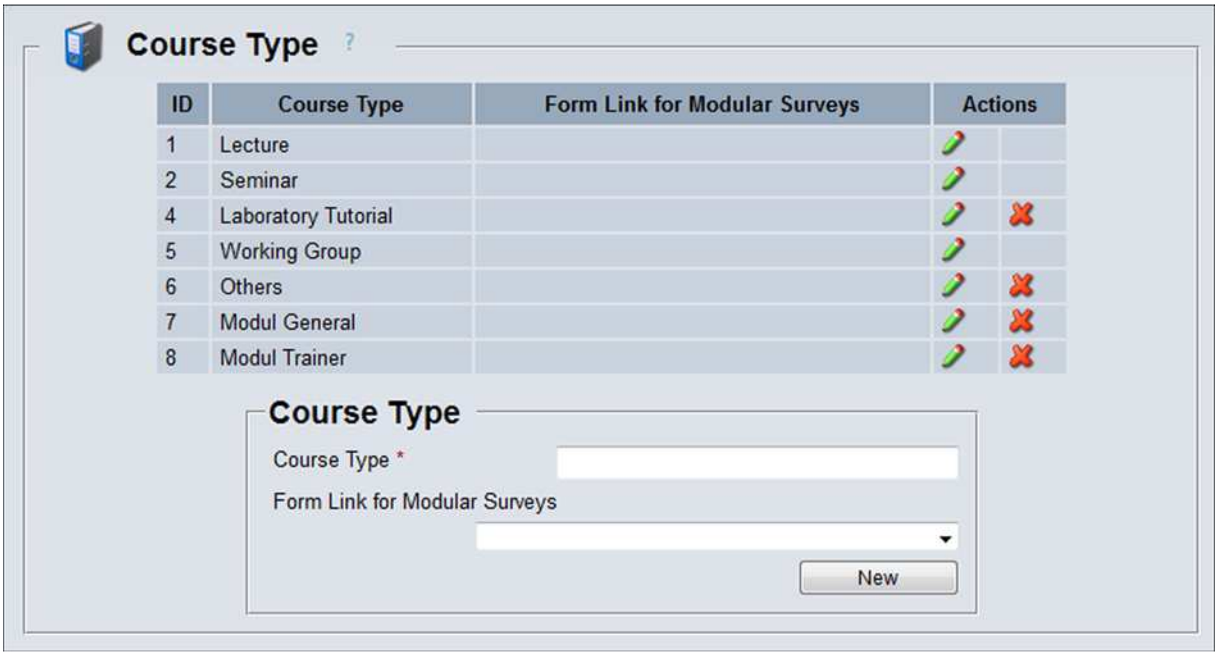
Figure 15: Course Types, Periods, Custom Titles

Course Types

The default course types include lecture, seminar, proseminar, tutorial, lab and working group. You can change this list according to the needs of your organization. If you want to add a new course type, enter its name in the input box beneath the list and click on [New]. If you want to remove a course type from the list, click on ✗.

Note:

You can only delete course types as long as they are not assigned to a course.



ID	Course Type	Form Link for Modular Surveys	Actions	
1	Lecture		✎	
2	Seminar		✎	
4	Laboratory Tutorial		✎	✖
5	Working Group		✎	
6	Others		✎	✖
7	Modul General		✎	✖
8	Modul Trainer		✎	✖

Figure 16: Course Types

The numbers at the left represent the index of the table in which the course types are recorded. Using this key course types are allocated from the CSV import table, i.e. the index number 2 always corresponds to the second value from the top down..

Note:
Changing these data during operations will create the problem that course data already existing have a reference to these values. When you make major changes in this area you must also correct the corresponding references in the course data in order to ensure that they remain meaningful.

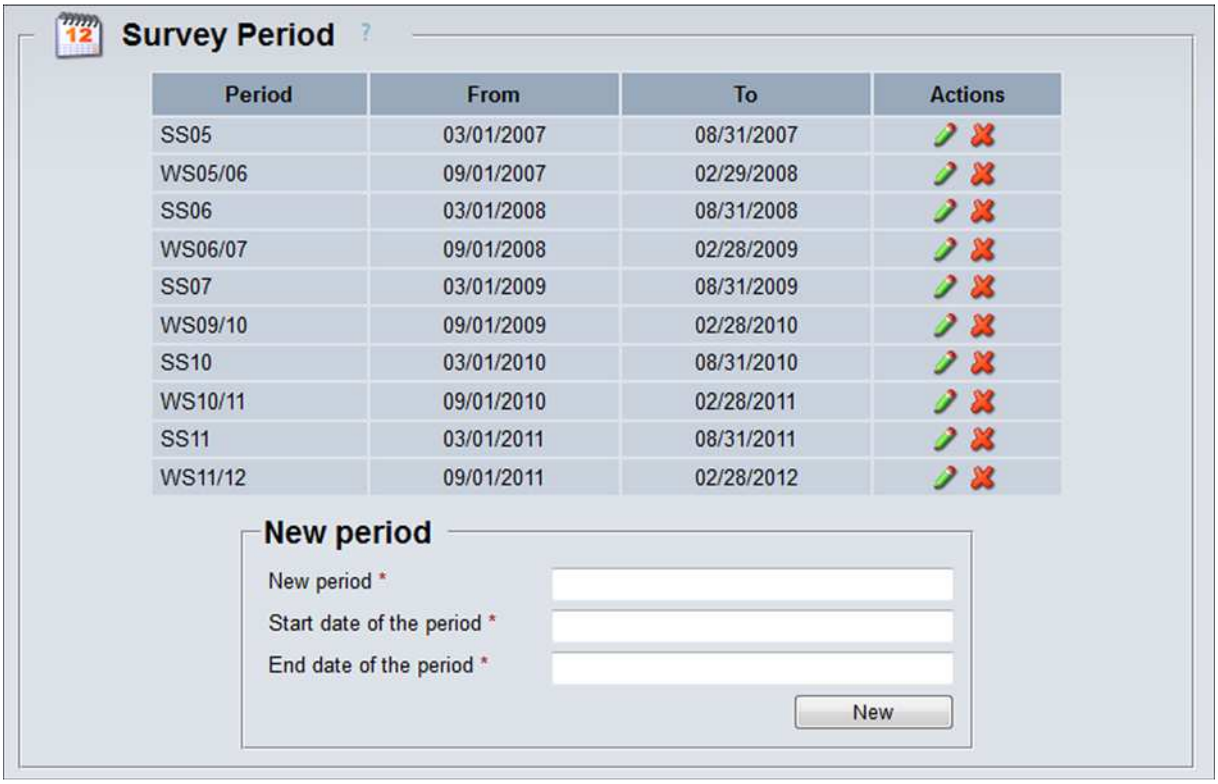
Periods

Survey period is the period of time in which ONE survey per course is carried out. In most cases the courses are evaluated once per semester and so EvaSys is delivered with semesters as survey periods.

If for example you would like to evaluate twice per semester you can set up quarters as survey periods.

Survey periods play an important role in enabling internal allocation to surveys including the image files from open questions. The survey periods must therefore be defined before beginning productive operations. We strongly discourage making changes in completed or current survey periods!

In order to set up a new survey period enter the name, enter the start date and the end date and click on [New].



Survey Period

Period	From	To	Actions
SS05	03/01/2007	08/31/2007	✎ ✖
WS05/06	09/01/2007	02/29/2008	✎ ✖
SS06	03/01/2008	08/31/2008	✎ ✖
WS06/07	09/01/2008	02/28/2009	✎ ✖
SS07	03/01/2009	08/31/2009	✎ ✖
WS09/10	09/01/2009	02/28/2010	✎ ✖
SS10	03/01/2010	08/31/2010	✎ ✖
WS10/11	09/01/2010	02/28/2011	✎ ✖
SS11	03/01/2011	08/31/2011	✎ ✖
WS11/12	09/01/2011	02/28/2012	✎ ✖

New period

New period *
Start date of the period *
End date of the period *

Figure 17: Periods

Please remember the defined date convention MM/DD/YYYY. The date format is defined in the menu “System Settings/EvaSys Settings/General/Date Format”. Overlaps of existing survey periods are allowed. For example, one period could be defined as from 1st of Jan. 2009 to 31st of Dec. 2009, name: Year 2009, e.g. add 1st of March 2009 to 31st of August 2009: SS 2009.

Existing periods can be updated by clicking on the green pencil symbol and modifying the entry fields in the area “Period” at the bottom of the page. A modification of the period names is not critical.

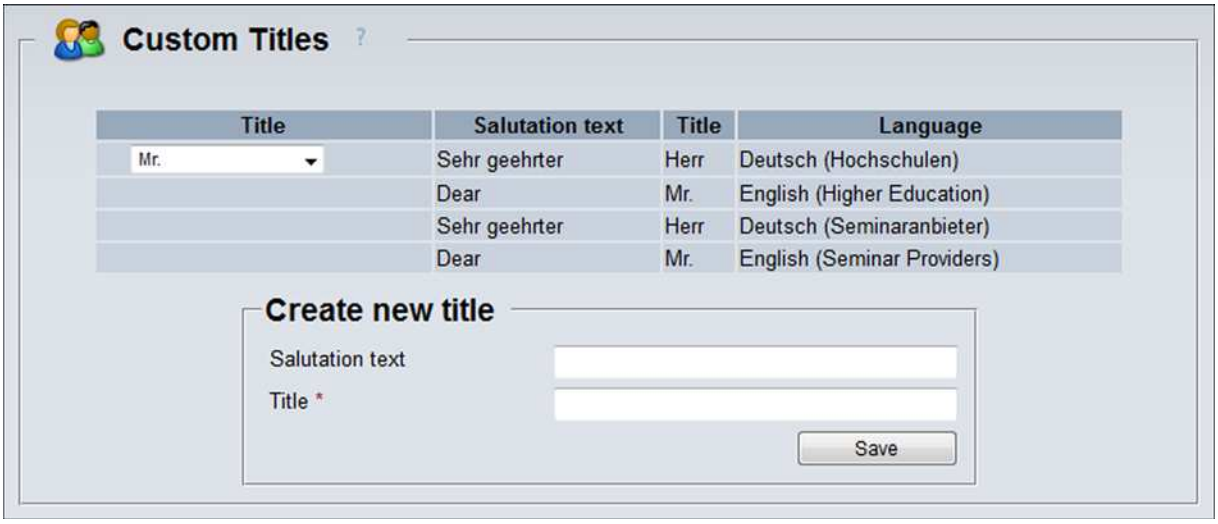
Custom Titles

All identities in EvaSys have a title. The in-built titles are Mr., Mrs., Ms and neutral.

The menu “Custom Titles” allows the definition of additional titles. To do this enter a new title and a salutation text. An example title could be “Provost” with the salutation “Dear”. Save changes by clicking on the [Save] button.

The newly defined title will be used in the active system language. Translations of the new title may be added if additional languages are present in the system.

You can only edit your entered custom titles. By clicking on the green pencil you can alter the salutation text and title in question. Afterwards save your changes by clicking on the button [Save]. A click on the cross icon deletes the form of address in the respective language. The new titles can be linked to the identities in the user profiles.



Title	Salutation text	Title	Language
Mr.	Sehr geehrter	Herr	Deutsch (Hochschulen)
	Dear	Mr.	English (Higher Education)
	Sehr geehrter	Herr	Deutsch (Seminaranbieter)
	Dear	Mr.	English (Seminar Providers)

Figure 18: Custom Titles

The defined titles can be used in the CSV user import. The key word for the title is in the second column of the CSV file (see chapter B 2.3.1. "CSV-Import within Subunits").

The configured title will be used for all emails or PDF reports which are delivered to the user.The placeholder [SALUTATION] in the email text templates will be replaced by the contents in this option area.

2.2. Setting up the Organizational Structure

The organizational structure in EvaSys consists of three levels which are arranged hierarchically:

- First Level: Subunits (e.g. departments, faculties)
- Second Level: Users (e.g. instructors, deans, report creators)
- Third Level: Courses (they are only assigned to instructors and deans)

With the help of the course settings further intermediate levels can be inserted such as, for example, the program of study. These further levels can later be used for filtering purposes.

By dividing the system into subunits a clearly arranged survey administration can be established and workload can be shared. Each subunit can be administrated by one or more subunit administrators, so that work within the system can be distributed to more than one person.

On user level the role of the instructor is of special importance, as only instructors can be assigned courses. Without having created an instructor, no course can be created nor surveyed.

To conduct a survey, the system always has to be built up to the third level, the course level. By choosing a questionnaire as well as an evaluation period, the survey for a course can be created.

The following figure shows an example of an organizational structure for a university:

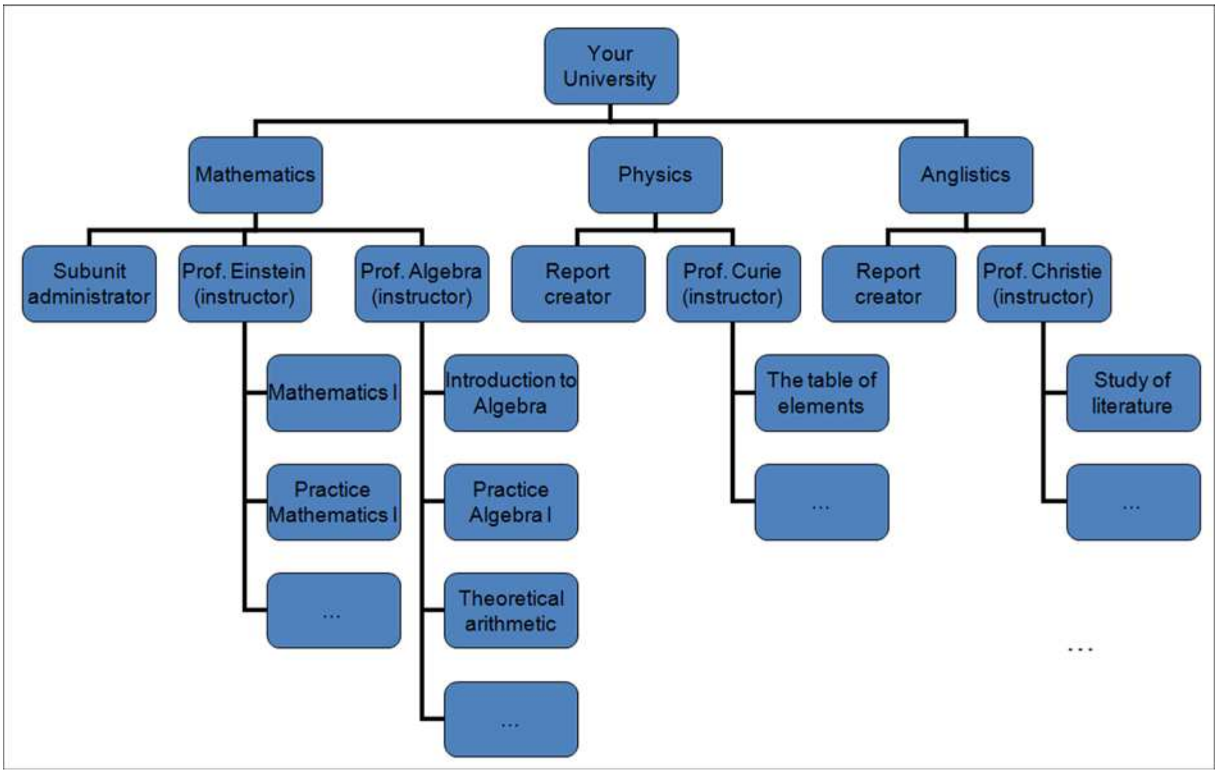
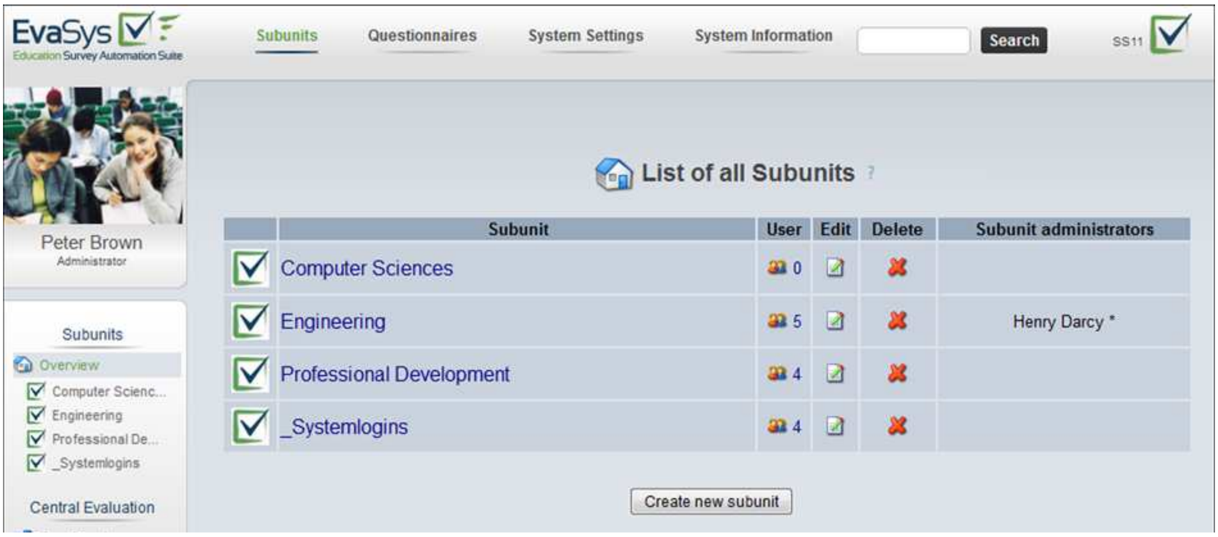

Your University
Mathematics
Physics
Anglistics
Subunit administrator
Prof. Einstein (instructor)
Prof. Algebra (instructor)
Report creator
Prof. Curie (instructor)
Report creator
Prof. Christie (instructor)
Mathematics I
Practice Mathematics I
...
Introduction to Algebra
Practice Algebra I
Theoretical arithmetic
...
The table of elements
...
Study of literature
...
...

Figure 19: Example of an organizational structure of a university

The functions for creating the organizational structure within EvaSys can be found in the menu “Subunits”. Here the single levels can be created or imported and their contents can be managed. Furthermore you will also have access to the survey management.

This view is available to the administrator as well as to the subunit administrator. The subunit administrator can use all the functions described in the following sections except for setting up subunits.


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Subunits
Overview
Computer Scienc...
Engineering
Professional De...
_Systemlogins
Central Evaluation
Create new subunit

List of all Subunits

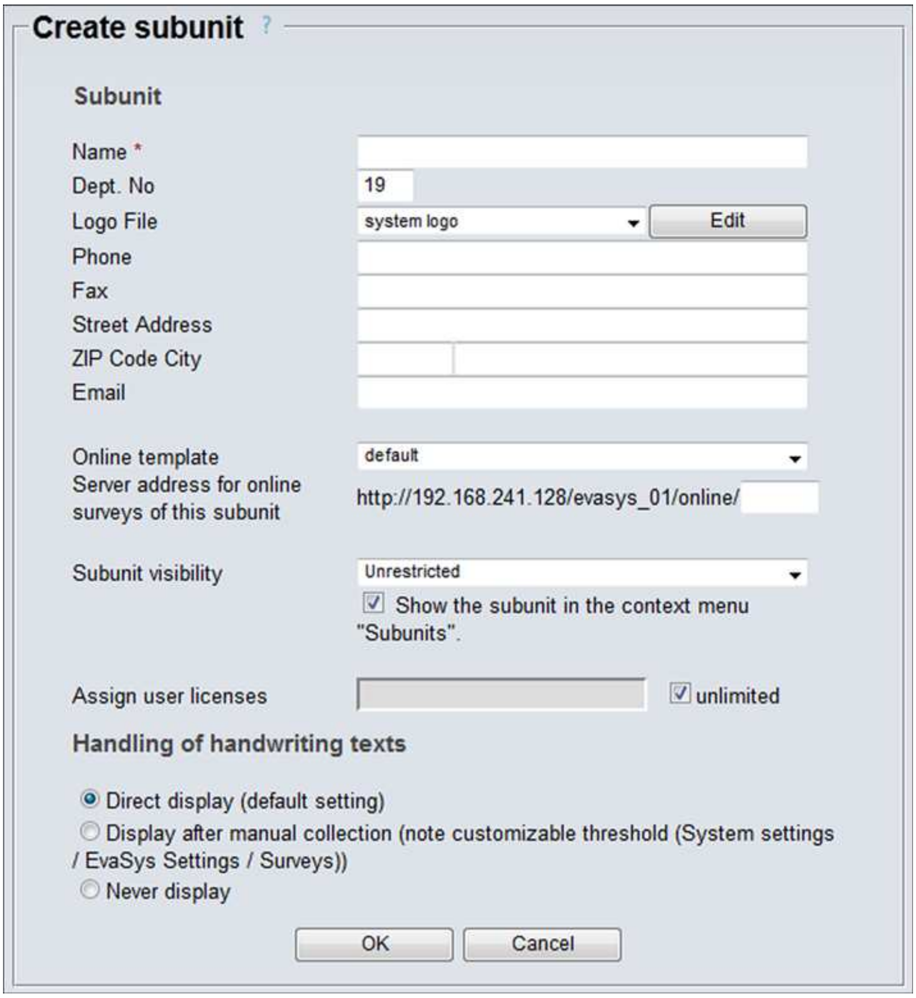
	Subunit	User	Edit	Delete	Subunit administrators
☑	Computer Sciences	0		☒	
☑	Engineering	5		☒	Henry Darcy *
☑	Professional Development	4		☒	
☑	_Systemlogins	4		☒	

Figure 20: Menu “Subunits”

2.2.1. Setting up the Subunits

Choose a reasonable number of subunits. These subunits can either be departments or other teaching units.

Create new Subunits


Create subunit ?

Subunit

Name *:
Dept. No: 19
Logo File: system logo
Phone:
Fax:
Street Address:
ZIP Code City:
Email:

Online template: default
Server address for online surveys of this subunit: http://192.168.241.128/evasys_01/online/

Subunit visibility: Unrestricted
☑ Show the subunit in the context menu "Subunits".

Assign user licenses: ☑ unlimited

Handling of handwriting texts

● Direct display (default setting)
○ Display after manual collection (note customizable threshold (System settings / EvaSys Settings / Surveys))
○ Never display

Figure 21: Create Subunit

In order to set up a new subunit, click on the button [Create New Subunit] in the window “subunits”.

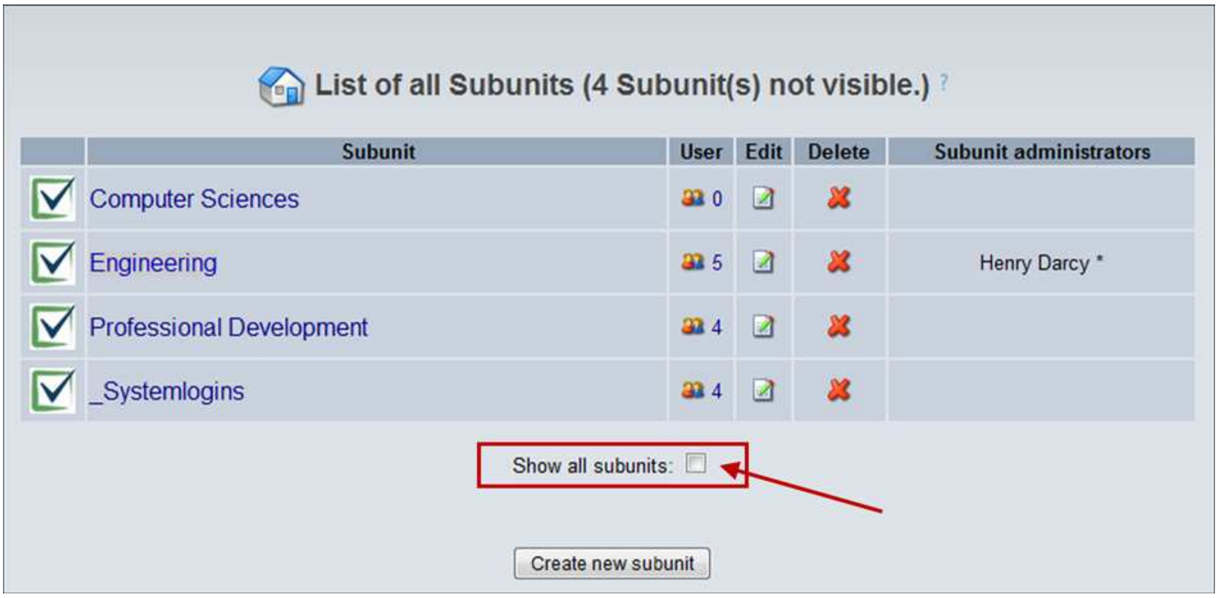
This is where the name of the subunit as well as a few address data go. The address data go into the letter for the summary report and appear in the system info (“System Information”). The Subunit number is automatically incremented. It can be adjusted if necessary.

If desired, a separate online template can be defined for each subunit, which defines the presentation of an online survey for the subunit. For more information, please see chapter B 3.8. "Effective Management and Conduction of Online Surveys", section “Online Surveys: Customization of the Used Layouts”.

The visibility of a subunit can be limited, for example, to hide subunits containing only old survey data, which should, however, remain in the system. Thereby the clarity of the system can be increased.

In the area “Subunit visibility” there is a choice of different display options: Hidden, Unrestricted, (Subunit) Administrator only, Report creator only. As well as this, it can also be determined, whether the subunit – regardless of the status – should be displayed in the context menu on the left.

If a subunit is set as invisible it is also hidden in the subunit overview. Via the option “Show all subunits”, it can, if desired, be displayed.



List of all Subunits (4 Subunit(s) not visible.)

	Subunit	User	Edit	Delete	Subunit administrators
☑	Computer Sciences	0			
☑	Engineering	5			Henry Darcy *
☑	Professional Development	4			
☑	_Systemlogins	4			

Show all subunits: ☐

Figure 22: Hide Subunit

In the case of instructor account licenses, by using the option “Assign user licenses”, the number of available licenses can be limited for each subunit. For more information, please see chapter D 1.8.2. "Administration of User Accounts".

Handling Handwritten Texts

Further information at “Handling handwritten texts” gives a comprehensive subunit rule for the handling of handwritten responses to open questions:

- Direct display (default setting):

  Handwritten responses to open questions are shown as a image box (graphic file) in the PDF/HTML analysis. This option guarantees that after collection of the data the instructor gets a complete feedback, including responses to open questions.

- Display after manual collection:

  In order to preserve anonymity handwritten responses to open questions are not displayed. The report recipient can only access the results to the closed questions (decentral) or will be sent these (Central Evaluation).

  With the user type “data entry assistant” (Section 5.2.3) a sequential, manual entry of the handwritten comments can be accomplished. Multiple selections are counted, sorted and displayed according to their frequency. The effort put into this work allows these texts to be transmitted (Central Evaluation) in statistics programs, which then can carry out a lexical analysis. After all image boxes have been entered, the instructor receives a message that he can now view the responses to the open questions.

  In order to minimize unnecessary costs, a threshold value can be defined (System Settings/EvaSys Settings/Surveys). This anonymization threshold sets a minimum number of returns under which survey responses are anonymized (can be set from 1 to 99).

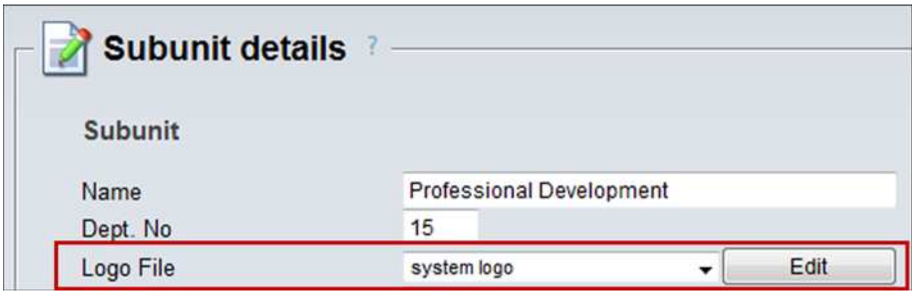
- Never display:

  When this option is activated, the handprint fields will not appear in either the HTML or PDF reports. This option is only recommended for blocking access.

Using Logo Files

You can link a graphic file with a subunit. This file appears in the EvaSys interface as well as in the PDF report of the subunit. You will need a 60x60 pixel size version of the logo in JPG format.

Note:
The logo in the 60x60 pixel size will only appear with the correct dimensions on the printed questionnaire when the resolution is 72 dpi. If necessary, the logo file has to be prepared with the help of an image editing software.

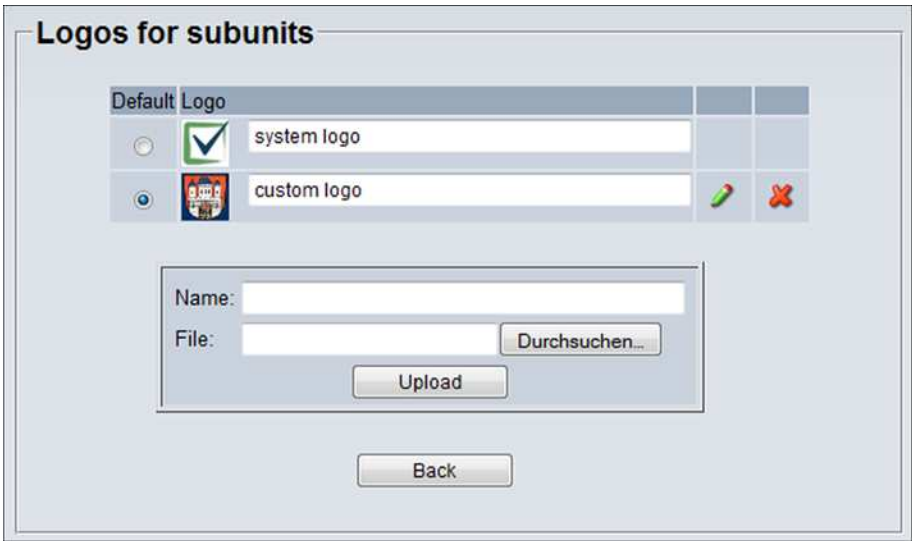


Name: Professional Development
Dept. No: 15
Logo File: system logo

Figure 23: Logo File

In the window of the subunit details you can select a logo in a drop-down menu from the logos available in the system. If the logo you would like is not yet in the system, then you can add it by clicking on the button [Process].

In the window that appears select a logo file with a click on [search] and enter it into the system with [Upload]. Uploading copies the logo automatically in the logo directory (C:\apache\htdocs\evasys\data\images\logos\subunit or C:\inetpub\wwwroot\evasys\data\images\logos\subunit) on the EvaSys server.



Default	Logo		
○	system logo		
●	custom logo	✎	✗

Figure 24: Manage Logo Files

In the table in the window you can see all the logos in the system. You can use the pencil symbol to change the name or the cross symbol to delete the logo from the system. In the first column you can select a logo as default logo, and it will be automatically used whenever a new subunit is set up.

Click on [return] to get back to the subunit details.

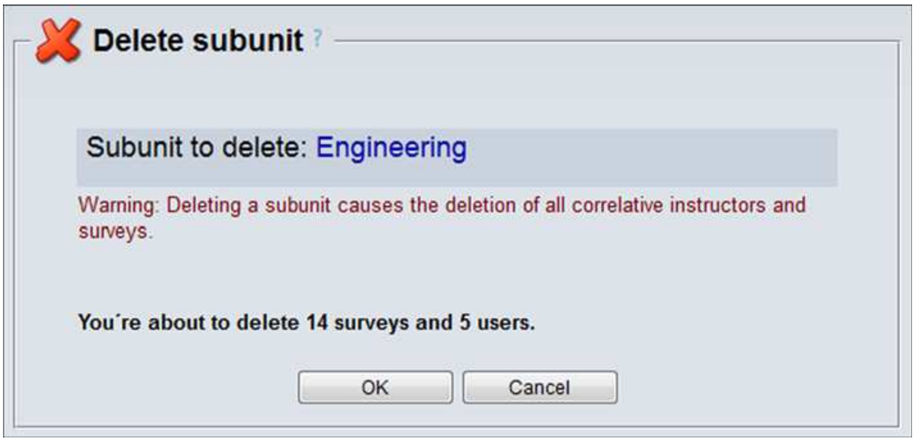
The logo graphic will be displayed in the interface as an illustration of the active subunit. Even when the instructor logs in with an active user account this logo will appear in the upper right hand corner of the screen. In addition the logo will appear in the heading of the PDF report document generated by EvaSys.

We recommend using the JPG format even though GIF is better as a rule for depicting logos. The reason is that for legal reasons relating to licenses some printer drivers cannot encrypt the compression of the GIF format. In this case, the reports could not be printed.

Changing Subunit Data

After a mouse click on the symbol 📝 in column “Edit” of the subunit window, you can work with the address and configuration data of the subunit.

Delete Subunit



Subunit to delete: Engineering

Warning: Deleting a subunit causes the deletion of all correlative instructors and surveys.

You´re about to delete 14 surveys and 5 users.

Figure 25: Delete subunit

Note:

Take extreme care when using this function. Deleting a whole subunit has far-reaching consequences.

ALL existing profiles of instructors in this department TOGETHER with their folder and the surveys contained in them will be irrevocably deleted. Before deletion we strongly urge you making a copy of such valuable survey data by having the individual instructor make a copy of the PDF report files or the raw data on their own hard drive.

2.2.2. Generating and Managing User Accounts

User accounts can be set up by administrators and subunit administrators. It is important to distinguish between active and passive users. Active users require login information to work with EvaSys which are created when the user is created or in subsequent editing of the user profile.

After log-in, each active user can change his user name and password in his user profile.

The administrator as well as subunit administrators can take on additional roles in their user accounts, which means, from their account they can perform other functions such as report creator, data entry assistant or verifier, without having to log in as a separate user. The additional roles are assigned by the administrator and can only be adjusted by him. After logging in, the administrator or subunit administrator can switch between user roles via a drop-down menu in the upper left corner of the screen.

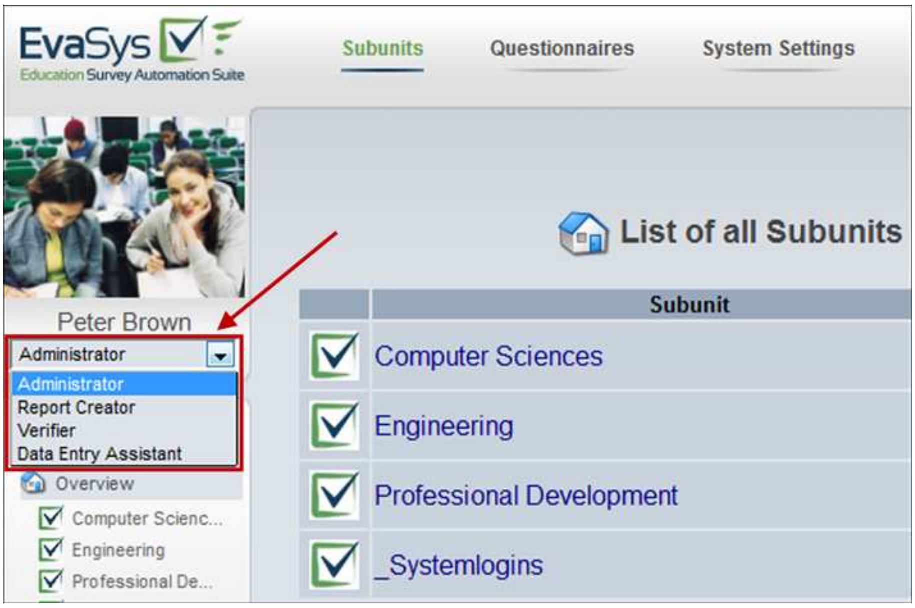

EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
Peter Brown
Administrator
Administrator
Report Creator
Verifier
Data Entry Assistant
Overview
Computer Scienc...
Engineering
Professional De...
List of all Subunits
Subunit
Computer Sciences
Engineering
Professional Development
_Systemlogins

Figure 26: Switching between User Roles

The EvaSys User Types

Administrator

The administrator manages the complete system and sets up user accounts, questionnaires as well as the configuration. In the central evaluation procedure the administrator manages all surveys as well as their reports.

Subunit Administrator

The subunit administrator has a user account that allow the administration of all of the activities in the subunit.

Within a subunit the subunit administrator can set up user accounts, create questionnaires, start surveys and send reports.

One or more subunit administrators can be created per subunit. Where necessary, additional subunits can be assigned to their administration, which means they can administer subunits outside of the subunit in which they were created. With this, the following is to be observed: Subunit administrators created within a subunit are considered as a group. Therefore they can only administer the same subunits. If, for example, a subunit is detracted from a subunit administrator, it is automatically detracted from all other subunit administrators of this group.

Similar to the administrator, the subunit administrator can take on additional roles in his user account (report creator, data entry assistant and verifier).

The configuration options available to the subunit administrators are defined by the administrator under “System Settings/EvaSys Settings”. Here, specific setting options are marked “Make this option available to Subunit Administrators”.

In doing so the subunit administrator is able to change certain configuration options, by which overwriting his subunit’s settings as defined by the administrator.

Instructors

- Central evaluation mode

  When using the central evaluation mode instructor accounts are set at passive. This shows the organization structure and courses which have surveys registered to them and reports. The email addresses given in the profile receive PDF reports as well as other emails. As long as the instructor account is set at passive it can only be used indirectly by the administrator.

- Activated instructor account mode

  When the instructor account is activated then it can be accessed by its owner with a user name and password. It can now be used for the creation of individual questionnaires and surveys, while at the same time the general evaluation is carried out by the administrator.

  Instructor accounts should be activated when internal clients need a tool for carrying out a number of surveys, e.g. an instructor, the library or the administration.

Dean

- Decentral system mode

  The only difference between the user type Dean and the user type Instructor is that for the Dean a complete user statistic for the relevant subunit is created.

- Central evaluation mode

  In Central Evaluation the dean can be labeled as active or passive. An active dean, similarly to an active instructor, can create questions, form questionnaires and, for example, access the activated QM views (stage 5).

  A passive dean has access only to his personally activated QM views.

Dean of Studies

This user type is only available for the server version “Central Evaluation”. The user of this profile can make a selection from a list of evaluated courses and have them summarized in a special report. The dean of studies does not count as a user license.

Data Entry Assistant

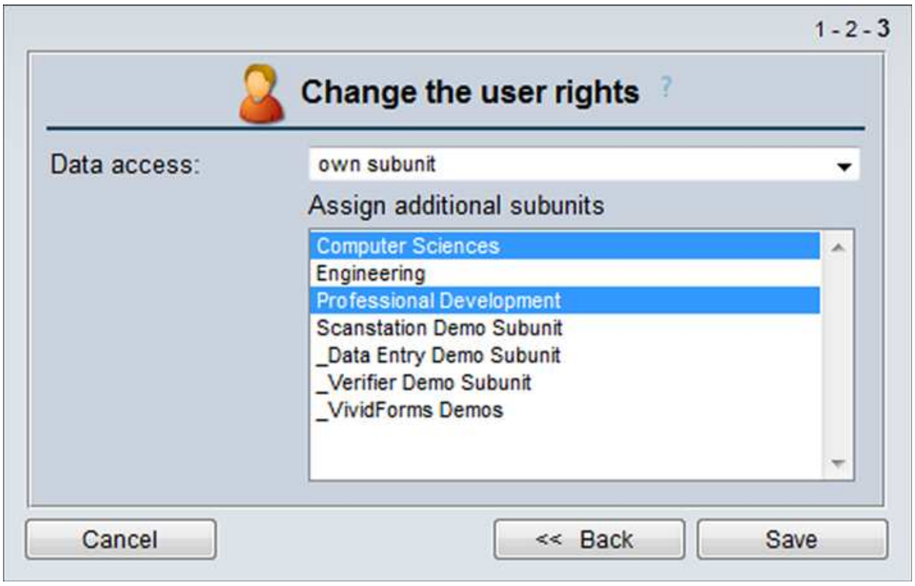
This user type is important when handwritten responses by respondents are not to appear in the report document. The data entry assistant can access the responses to open questions as sorted according to survey and enter them in plain text. After a survey has been processed you will have a completely anonymized analysis available. In order for this user type to be able to work, you must under the properties of this subunit in “Handling handwritten text” set the option “Show after manual collection”. A user license is not necessary for the data entry assistant.

You can define individual access rights for each data entry assistant:

- own subunit – data entry assistant has only access to handwritten comments of all surveys proceeded in own subunit;

- multiple subunits – data entry assistant has access to handwritten comments of all surveys proceeded in the selected subunits (Multiple selections of subunits can be made by pressing and holding down the “Ctrl” key.);
- system level – data entry assistant has access to handwritten comments of all surveys proceeded in EvaSys.

As an Administrator, you set this value when creating the relevant user account. As soon as you create a data entry assistant, a particular setting in the user rights (step three of three) allows you to define the data entry assistant as systemwide (system level), subunit groups (own subunit and selection of further subunits) or only subunit-wide (own subunit):


1 - 2 - 3

Change the user rights

Data access: own subunit

Assign additional subunits

Computer Sciences
Engineering
Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Verifier Demo Subunit
_VividForms Demos

Figure 27: Creating/Editing the User Rights of a Data Entry Assistant

Verifier

The Verifier can be used as a visual correction for scanned sheets.

The Verifier controls the VividForms sheets processed by the VividForms reader, and can, where necessary, correct the recognition attributes. The verification can be activated or deactivated for surveys.

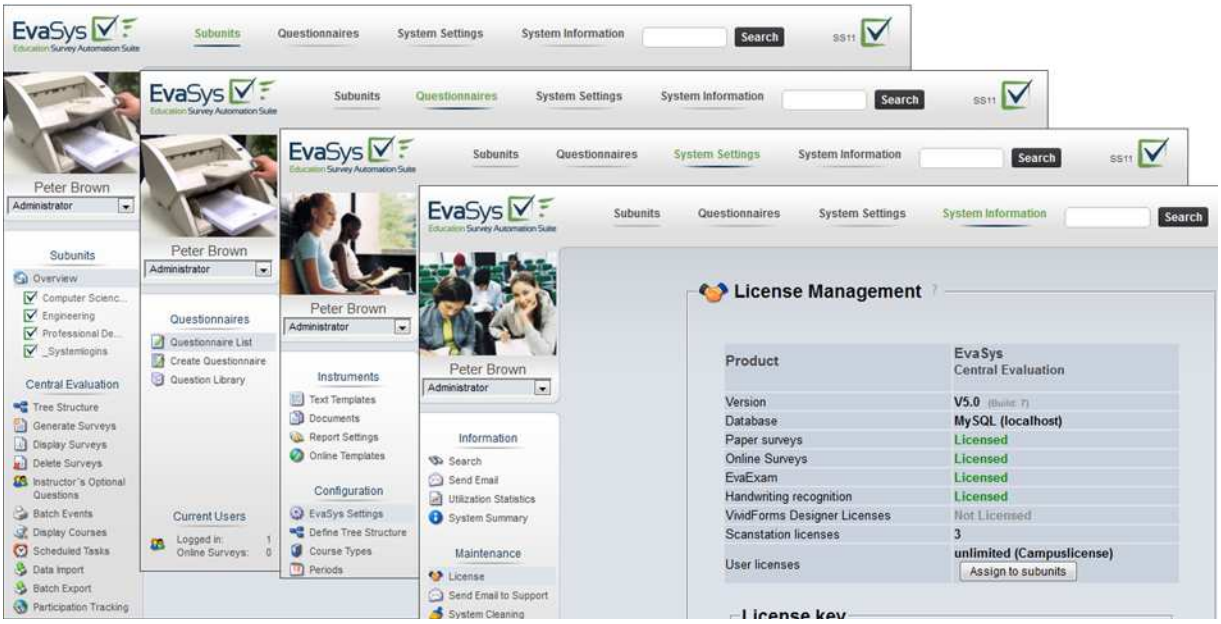
This can be necessary, because ambiguously filled out sheets cannot always be correctly machine read.

Report Creator

A user profile is created with report generation rights. This allows the generation of anonymized summary reports on subunits. Further report forms are available when using the server version “Central Evaluation”. The user account of a report creator does need a user license.

The Administrator Account

The administrator account is used to create the system-wide organizational structure, administrate users and integrate questionnaires, as well as regulating and supervising processing. In addition to this, surveys can be generated, displayed and evaluated and raw data exported.


Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Subunits
Overview
Computer Scienc...
Engineering
Professional De...
_Systemlogins
Central Evaluation
Tree Structure
Generate Surveys
Display Surveys
Delete Surveys
Instructor's Optional Questions
Batch Events
Display Courses
Scheduled Tasks
Data Import
Batch Export
Participation Tracking
Questionnaires
Questionnaire List
Create Questionnaire
Question Library
Current Users
Logged in: 1
Online Surveys: 0
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Information
Search
Send Email
Utilization Statistics
System Summary
Maintenance
License
Send Email to Support
System Cleaning
Assign to subunits
License key

License Management

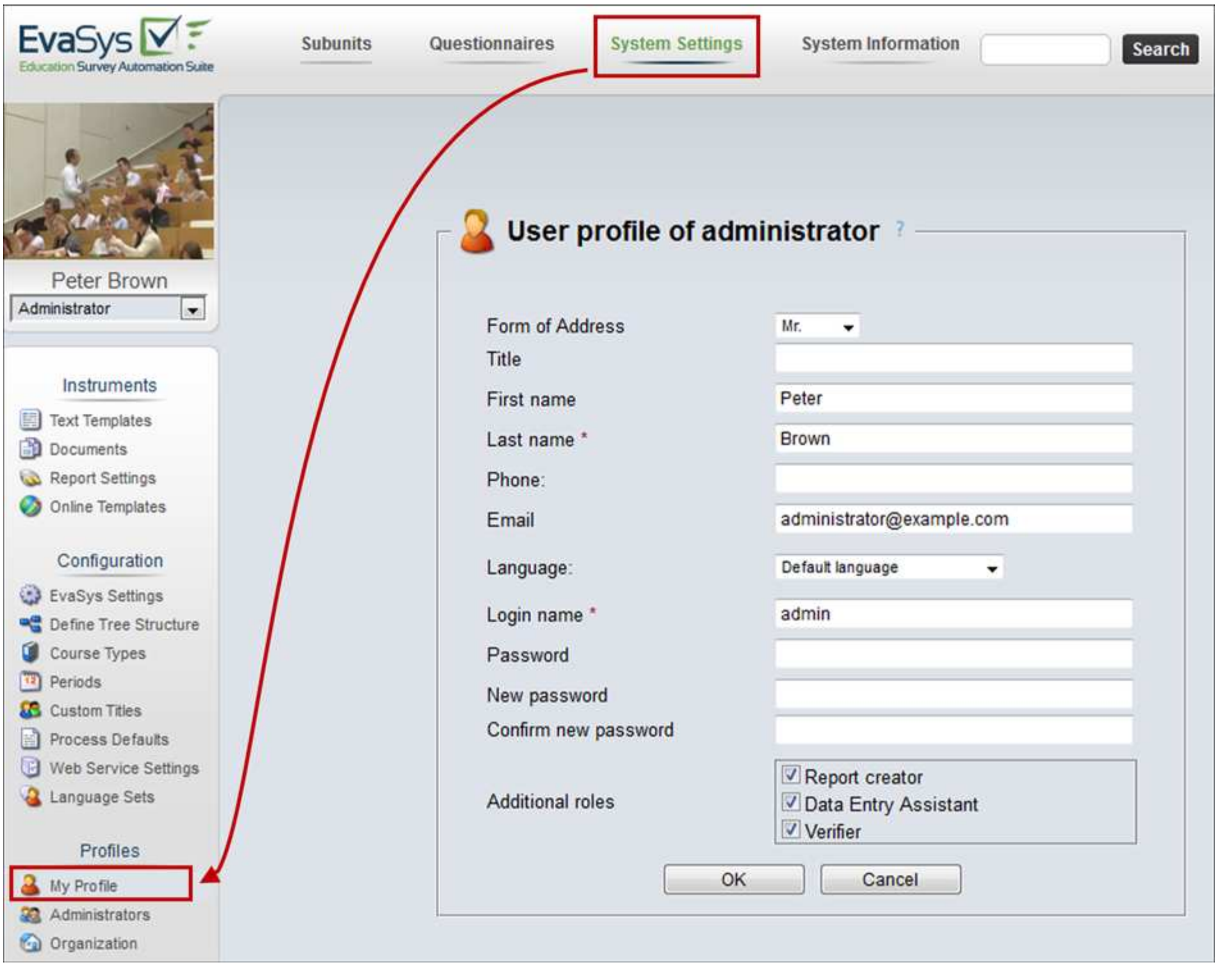
Product	EvaSys Central Evaluation
Version	V5.0 (Build: 7)
Database	MySQL (localhost)
Paper surveys	Licensed
Online Surveys	Licensed
EvaExam	Licensed
Handwriting recognition	Licensed
VividForms Designer Licenses	Not Licensed
Scanstation licenses	3
User licenses	unlimited (Campuslicense)

Figure 28: Administrator Account

The data fields of the administrator profile can be edited in “System Settings/My profile”. Here, the personal data of the administrator, such as salutation, title, etc. can be set. The email address is particularly important because EvaSys users send their inquiries by email to the administrator. In addition, the administrator can change his password (login name and password) and, if desired, take on additional user roles.

With the aid of additional roles, the administrator can, from his own user account, take on tasks such as data entry, verification or creating reports, without having to log into the system as a new user. Later, the administrator can switch between the different user roles via a drop-down menu in the top left corner of the screen.

All changes must be confirmed by entering the old password. The entries are applied by clicking on the [OK] button.



EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Custom Titles
Process Defaults
Web Service Settings
Language Sets
Profiles
My Profile
Administrators
Organization
OK
Cancel

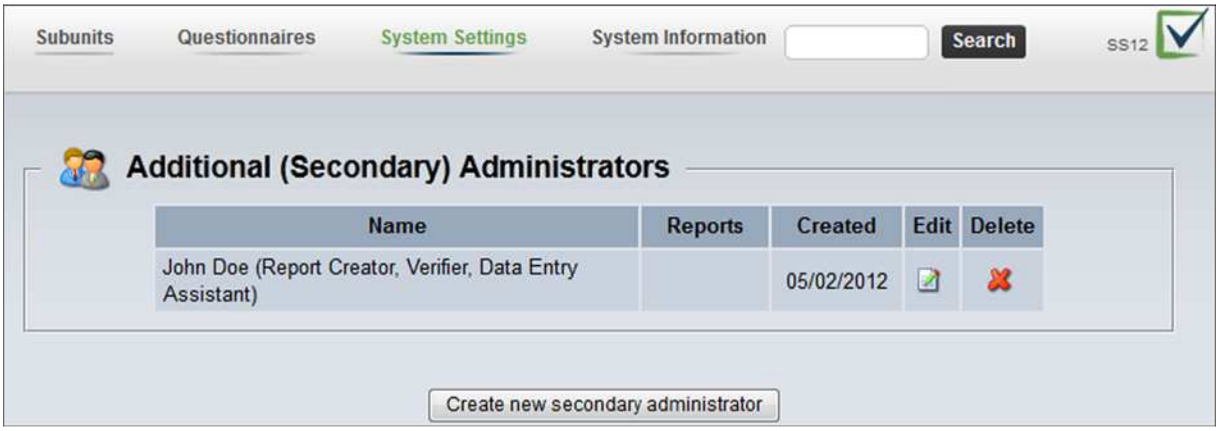
User profile of administrator

Form of Address	Mr.
Title	
First name	Peter
Last name *	Brown
Phone:	
Email	administrator@example.com
Language:	Default language
Login name *	admin
Password	
New password	
Confirm new password	
Additional roles	☑ Report creator ☑ Data Entry Assistant ☑ Verifier

Figure 29: Administrator Profile

The administrator can, where necessary, define further secondary administrators e.g. for representation purposes. As does the administrator, the secondary administrator has administration rights for the entire system and can access all subunits.

For the creation and management of secondary administrators, go to the menu “Administrators” in the main menu “System Settings/Profiles”. A click on the menu item opens the administrator management. A summary table displays all existing secondary administrators. The first column shows the name and, in parentheses, the additional roles of the secondary administrator. The second column shows the number of reports generated by the report creator role. The administrator can customize the user settings in the column “Edit”. By use of the red cross in the column “Delete”, a user can be removed completely.

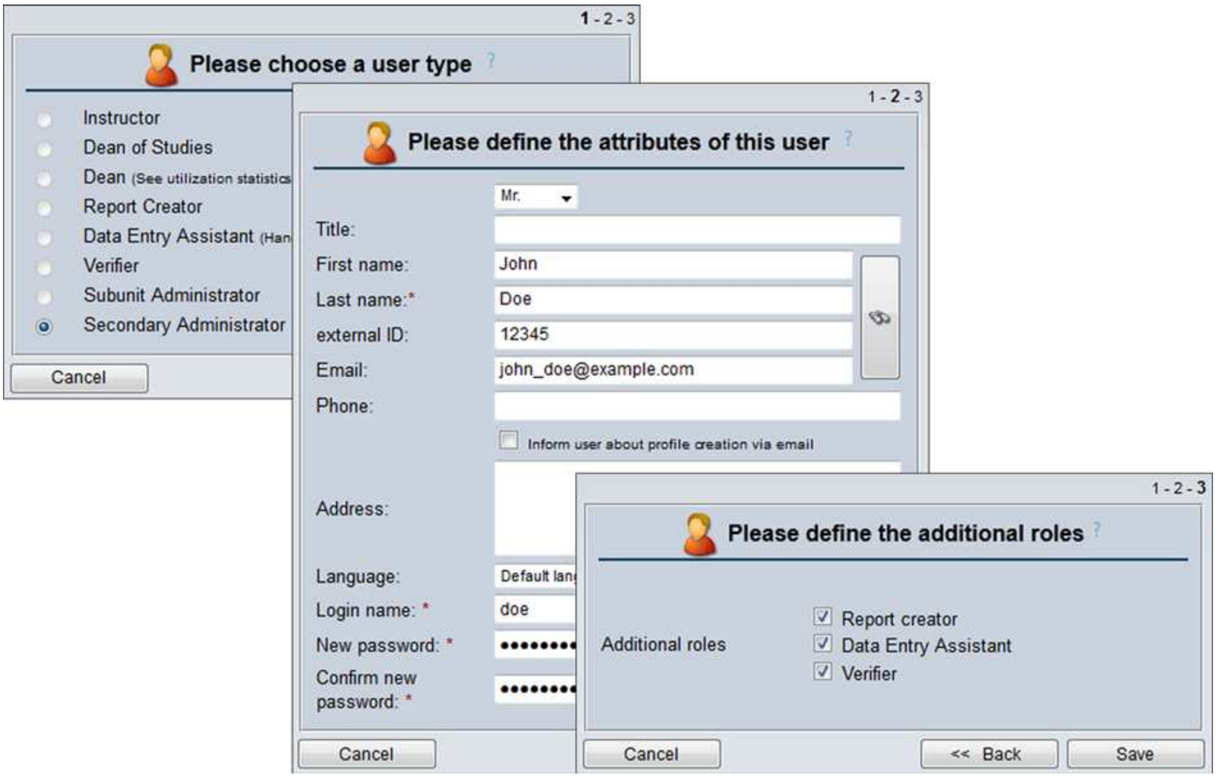

Subunits
Questionnaires
System Settings
System Information
Search
SS12
Additional (Secondary) Administrators
Create new secondary administrator

Name	Reports	Created	Edit	Delete
John Doe (Report Creator, Verifier, Data Entry Assistant)		05/02/2012	✎	✗

Figure 30: Management of Secondary Administrators

Note:
Only the main administrator can create and edit secondary administrators. However, secondary administrators can edit their own user data via the menu “System Settings/My profile”.

To create a secondary administrator, click on the button [Create new secondary administrator]. A three step wizard opens facilitating the creation of a user. In the first step, the user type “Secondary Administrator” is already selected. Click on [Next] to input the user data (the most important being name, email address, login name and password). In the third step, the user can, where necessary, be assigned additional roles. After clicking on [Save], the user is created and appears in the list of secondary administrators.


1 - 2 - 3
Please choose a user type
Cancel
1 - 2 - 3
Please define the attributes of this user
Cancel
1 - 2 - 3
Please define the additional roles
Cancel
<< Back
Save

○ Instructor
○ Dean of Studies
○ Dean (See utilization statistics
○ Report Creator
○ Data Entry Assistant (Han
○ Verifier
○ Subunit Administrator
● Secondary Administrator

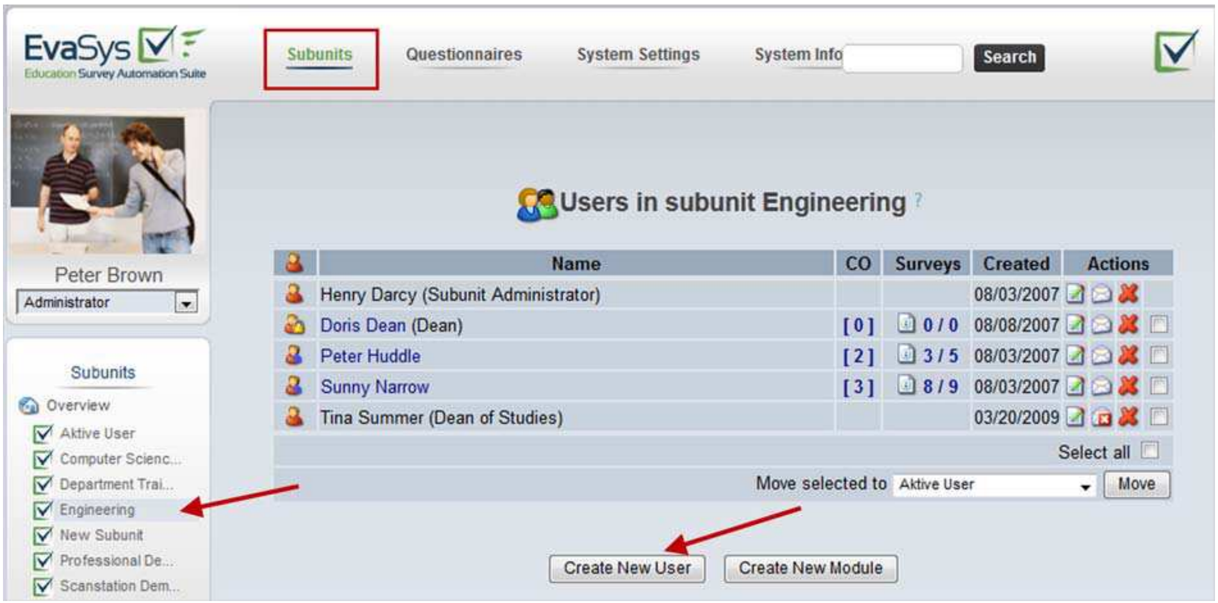
Mr.
Title:
First name: John
Last name:* Doe
external ID: 12345
Email: john_doe@example.com
Phone:
☐ Inform user about profile creation via email
Address:
Language: Default lan
Login name: * doe
New password: * ••••••••
Confirm new password: * ••••••••

Additional roles
☑ Report creator
☑ Data Entry Assistant
☑ Verifier

Figure 31: Creating Secondary Administrators

Setting up a User Account manually

Users always belong to a subunit. Go to the corresponding subunit to find the functions for adding new users.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Info
Search
Peter Brown
Administrator
Subunits
Overview
Aktive User
Computer Scienc...
Department Trai...
Engineering
New Subunit
Professional De...
Scanstation Dem...
Create New User
Create New Module

Users in subunit Engineering

	Name	CO	Surveys	Created	Actions
	Henry Darcy (Subunit Administrator)			08/03/2007	
	Doris Dean (Dean)	[0]	0 / 0	08/08/2007	☐
	Peter Huddle	[2]	3 / 5	08/03/2007	☐
	Sunny Narrow	[3]	8 / 9	08/03/2007	☐
	Tina Summer (Dean of Studies)			03/20/2009	☐

Select all ☐

Move selected to Aktive User — Move

Figure 32: Manually Creating User Accounts

By clicking on the name of a subunit, you reach the list of users. All existing users are listed here. New users can be added via the [Create New User] button.

A wizard opens facilitating the creation of a user account. In the first step, the user type is defined. The following user types are available:

- Instructor
- Dean of Studies
- Dean
- Report Creator
- Data Entry Assistant
- Verifier
- Subunit Administrator
- Secondary Administrator

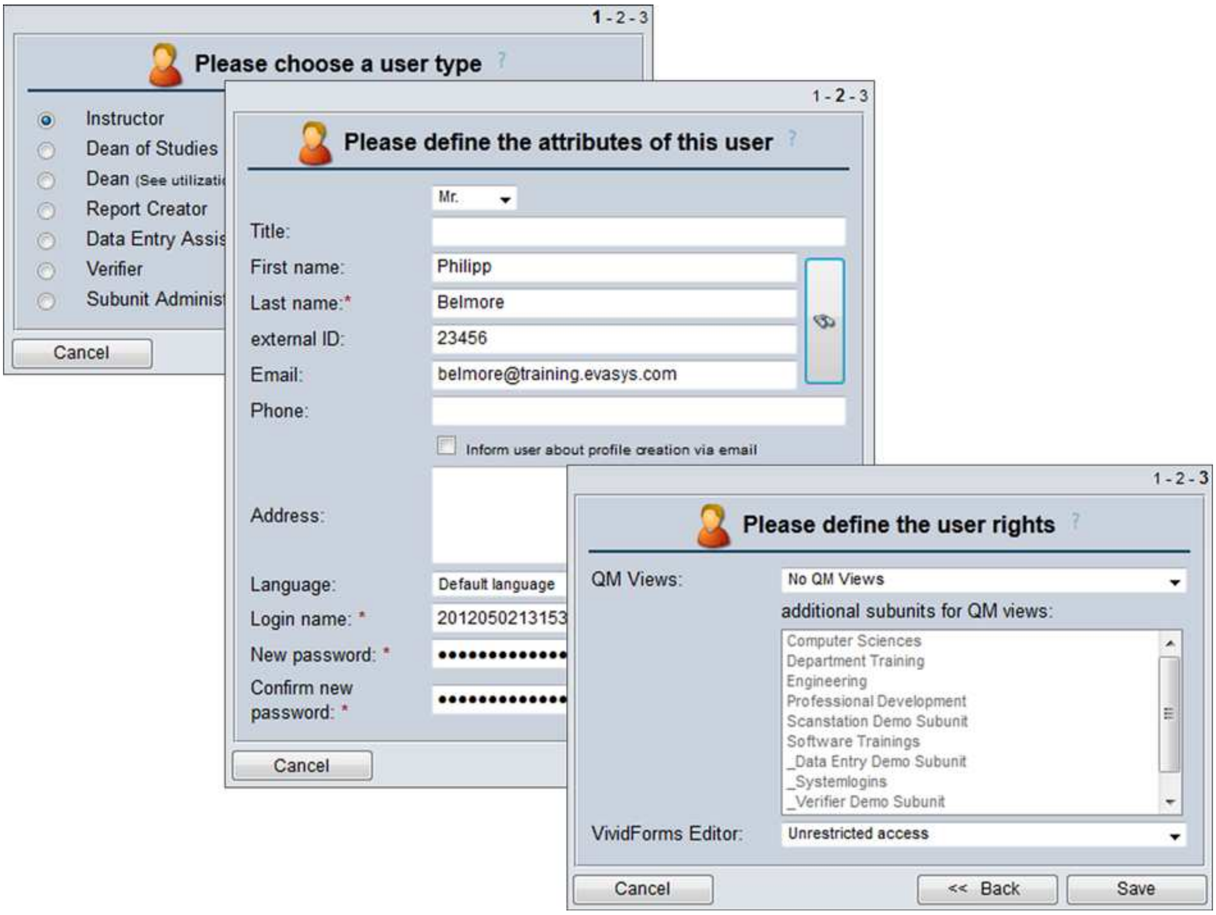
In the third and fourth step, the user data is deposited as well as the user rights being defined. The most important details are shown in the table below:

Column	Content
Title 1	Mr., Mrs., Ms or neutral
Title 2	Max 50 characters (optional field) In the report document the combination Title2+Surname will appear
First Name	Max 50 characters (optional field)
Surname	Max 50 characters (non-optional field)
External ID	Max. 64 Characters (optional text box) The External ID is used to classify the user within the system as a whole, so that only one license is used per user. See below for more information.
Email	Max 100 characters (optional field) EvaSys sends all messages to the user at this email address, e.g. PDF reports for processed questionnaires.
Telephone Number	Max 100 characters (optional field)
Address	User defined, three lines recommended (optional field) * This field is used as the internal email address in the Central Evaluation server version – Self registering version and has no function when the standard user profile (decentral) or the Standard version is used.
Institute Number	Max 6 numerical characters * This field is used for the subunit classification in the Central Evaluation server version – self registering procedure and has no function for the standard user profiles (decentral) or the Standard procedure.

Login name	Max 50 characters (non-optional field) * This entry must be distinct within the system, that is, log in names can only be assigned once!
Password	Max 50 characters (non-optional field)
Password (repeat)	Max 50 characters (non-optional field)
QM Views	No QM views | Only own surveys | Only own subunit| Full authorization
Additional Subunits	Additional subunits can be added to QM views. (QM views has to be set to “Only own subunit”)
VividForms Editor	Unrestricted | Templates only| No access

Table 2: Necessary Information for a new User Account

The following figure shows exemplarily creating an instuctor account:


1 - 2 - 3
Please choose a user type
Cancel
1 - 2 - 3
Please define the attributes of this user
Cancel
1 - 2 - 3
Please define the user rights
Cancel
<< Back
Save

● Instructor
○ Dean of Studies
○ Dean (See utilizati
○ Report Creator
○ Data Entry Assis
○ Verifier
○ Subunit Adminis

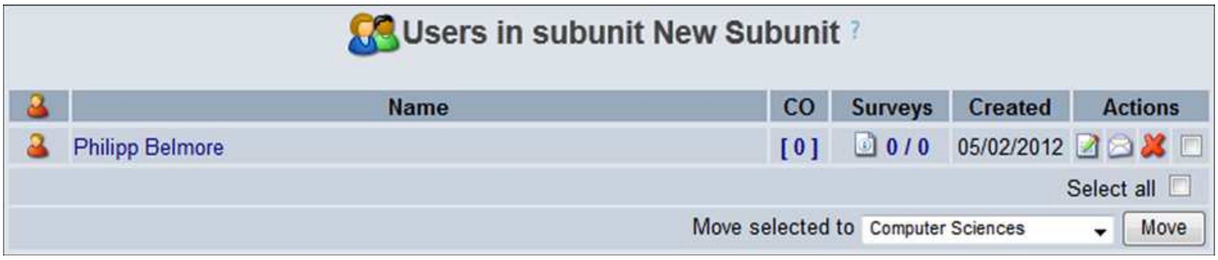
Mr.
Title:
First name: Philipp
Last name:* Belmore
external ID: 23456
Email: belmore@training.evasys.com
Phone:
☐ Inform user about profile creation via email
Address:
Language: Default language
Login name: * 2012050213153
New password: * •••••••••••••
Confirm new password: * •••••••••••••

QM Views: No QM Views
additional subunits for QM views:
Computer Sciences
Department Training
Engineering
Professional Development
Scanstation Demo Subunit
Software Trainings
_Data Entry Demo Subunit
_Systemlogins
_Verifier Demo Subunit
VividForms Editor: Unrestricted access

Figure 33: Creating an Instructor Account (three Steps)

As soon as a new user is created it appears in the user list of the subunit. The users are ordered alphabetically according to the last names. By default the format for user names is “Title, first name, last name”. If so desired, in the System Settings under “System Settings/EvaSys Settings/Functions/ Display of User Names in the Subunit

Overview” an alternative display can be selected, for example: Last name, first name, title.



Users in subunit New Subunit

	Name	CO	Surveys	Created	Actions
	Philipp Belmore	[0]	0 / 0	05/02/2012	☐

Select all ☐

Move selected to Computer Sciences Move

Figure 34: User in the userlist

Using External IDs

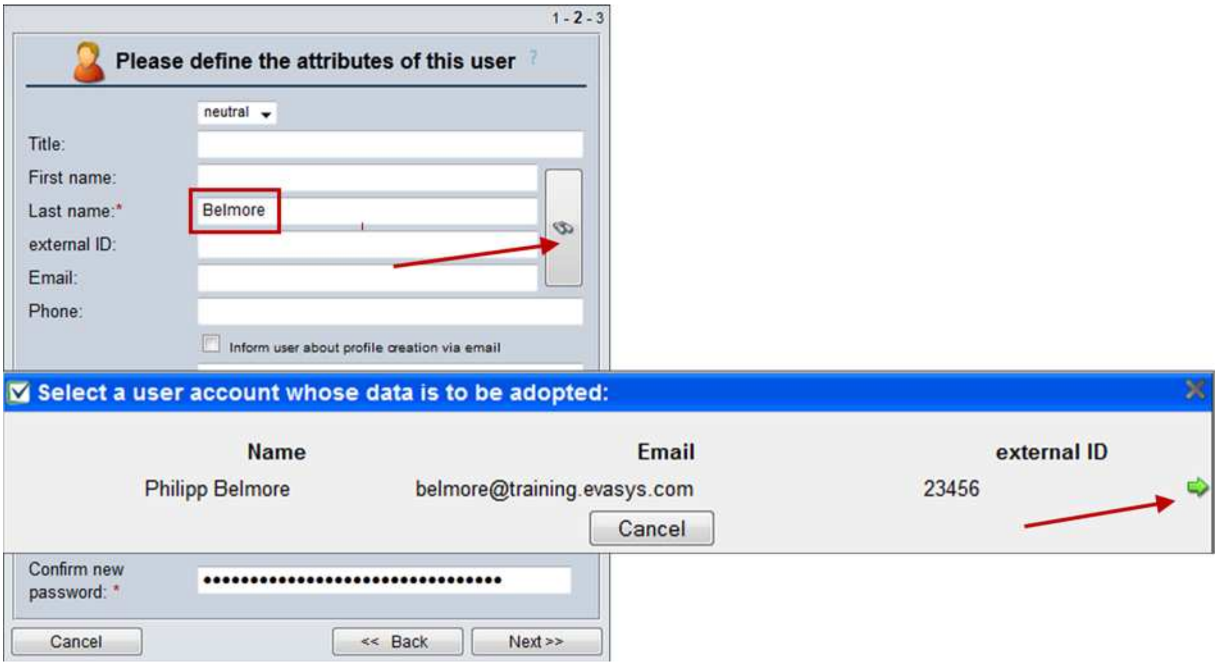
If an instructor wishes to work in different subunits, they must have their own instructor account for each subunit. As far as the system is concerned, each account is a separate user, each one of which is assigned their own separate license. External IDs allow you to connect these user accounts to one another, so that they can all run on the same license. This is particularly important if you have purchased a license which restricts the number of user accounts available to you.

External IDs are optional. You can enable and disable their use under “System Settings/EvaSys Settings/Functions/Display External ID.” This function is activated by default.

The function name “External ID” can be exchanged for a different name if so desired. To do this, change the name of the function under “System Settings/EvaSys Settings/Functions/Name for external IDs” to the desired name, e.g. “Personnel Number” (or similar).

The following user attributes must match if user accounts in separate subunits are to be recognized as belonging to the same user: Last name, first name, email address, and external ID. The text box entries in question may not be empty. The program does not differentiate between upper and lower case letters.

If a user account is to be created in a subunit, and that user account already exists in another subunit, then one or more of the attributes named above, for example the last name, can be entered into the user dialog. You can then simply click on the telescope button, and the system will automatically search for an identical user with the same last name. A window opens and displays all possible matches. Click on the green arrow to select which user's information to use. The new user account created this way does not use an additional system license. Only one license is deducted, that used when the initial account was created. You can view the number of licenses currently in use under “System Information/License” (see also Chapter D 1.8.2. “Administration of User Licenses”).



1 - 2 - 3

Please define the attributes of this user

neutral

Title:

First name:

Last name:* Belmore

external ID:

Email:

Phone:

☐ Inform user about profile creation via email

☑ Select a user account whose data is to be adopted:

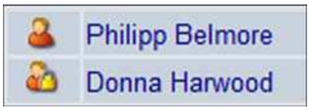
Name	Email	external ID
Philipp Belmore	belmore@training.evasys.com	23456

Confirm new password: * ••••••••••••••••••••••••••••••••

Figure 35: Creating an Instructor's Account - Searching for Matching Users

Activating/Deactivating User Profiles

With this function, you can activate or deactivate a user profile. Simply click on the icon directly next to the user name. Icons with a portrait and a padlock stand for passive user profiles. Icons with a portrait but no padlock, stand for active user profiles.



Philipp Belmore

Donna Harwood

Figure 36: Active (Belmore) and Passive (Harwood) User Account

If a user account is deactivated then the individual will not be able to login to the EvaSys server. If he does try to log in then he will see a message that his account has been blocked by the administrator.

An exception is the deactivation of the dean’s account. The dean can log on to the system if the administrator has allowed him access to the QM-Views.

Furthermore, it is possible to give all deactivated instructors the right to access their reports from the central evaluation. In order to do this, the option “EvaSys Settings/ Central Evaluation/Passive Instructors: Login for Report Request” must be activated. The instructor can now log on with his id and view all the results of his surveys.

When using the Central Evaluation server type, passive user accounts are as a rule used to implement all or a large amount of the surveys from the administrator profile. User accounts can be activated at any time.

Changing User Data

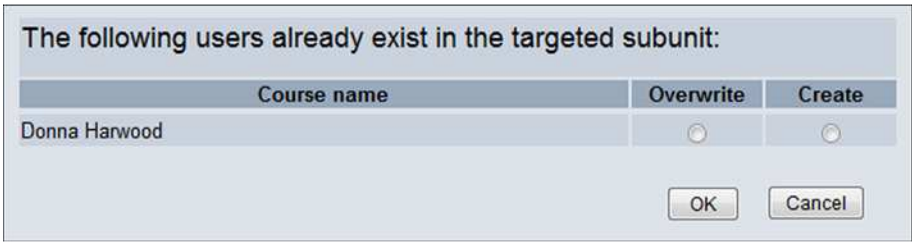
Click on the name of a subunit. A list of the users in this subunit will appear. By clicking on the user name you will reach his or her user profile. Profile data can be changed by entering new data and saving it with [OK].

Addresses and institute numbers play a role only in the self-registering procedure. If an (activated) user has forgotten his password, it can be overwritten by entering the new password twice. The user can then login again and change their password.

Moving User Accounts

In the list of users in a subunit you will see a check field on the right-hand side. You can check any combination of these fields. At the bottom of the table you will see the function “Move selected to [SUBUNITNAME]”. Select the target subunit from the selection list. A click on the button “move” will start the procedure. Please note that users with the same name may already be in the target subunit (if a number of instructors have the same name). In this case you will be notified that you have, for each of the affected instructors, the following choice.

- Overwrite
  The surveys and profiles will be consolidated. As a result there is a single user account.
- Recreate
  The user profile is moved even though the names are identical and there are two accounts with the same name (which only differ in their login names).


The following users already exist in the targeted subunit:

Course name	Overwrite	Create
Donna Harwood	○	○

Figure 37: Move User

Delete User

Be extremely careful when using this function. Deleting a profile means that all program files and surveys will also be deleted.

Note:
Make sure that you have the permission of the relevant user, before you carry out this operation as you CANNOT undelete it.

Writing an Email to a User

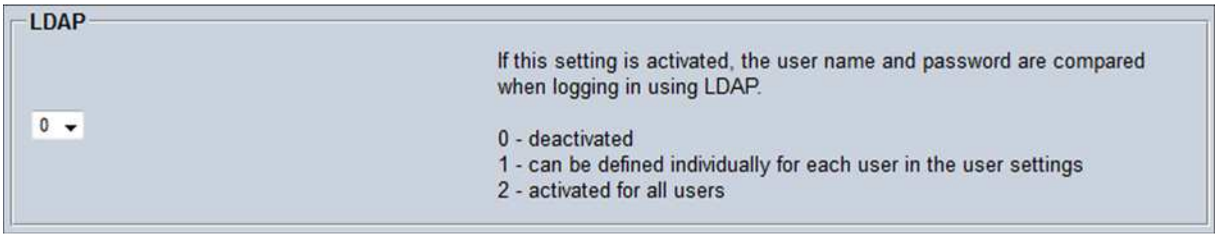
A mouse click on the letter symbol allows you to send an email to that person. The EvaSys internal email system will be used.

LDAP Authentification

EvaSys offers an interface to LDAP.

LDAP (Lightweight Directory Access Protocol) is a protocol and offers the possibility to access the directory server. LDAP is often used to administer the users of a network.

To be able to use the LDAP connection, the function must first be activated in the EvaSys settings (“System Settings/EvaSys Settings/Network Settings/LDAP”). There are two possibilities: The LDAP connection can be activated individually for each user (option 1) or it can be activated for all users simultaneously (option 2).



If this setting is activated, the user name and password are compared when logging in using LDAP.

0 - deactivated
1 - can be defined individually for each user in the user settings
2 - activated for all users

Figure 38: LDAP Activation

If option 1 is selected, then the menu option “LDAP Login” is shown in the user settings dialog. Now, the login via LDAP can be activated or deactivated for each user separately.

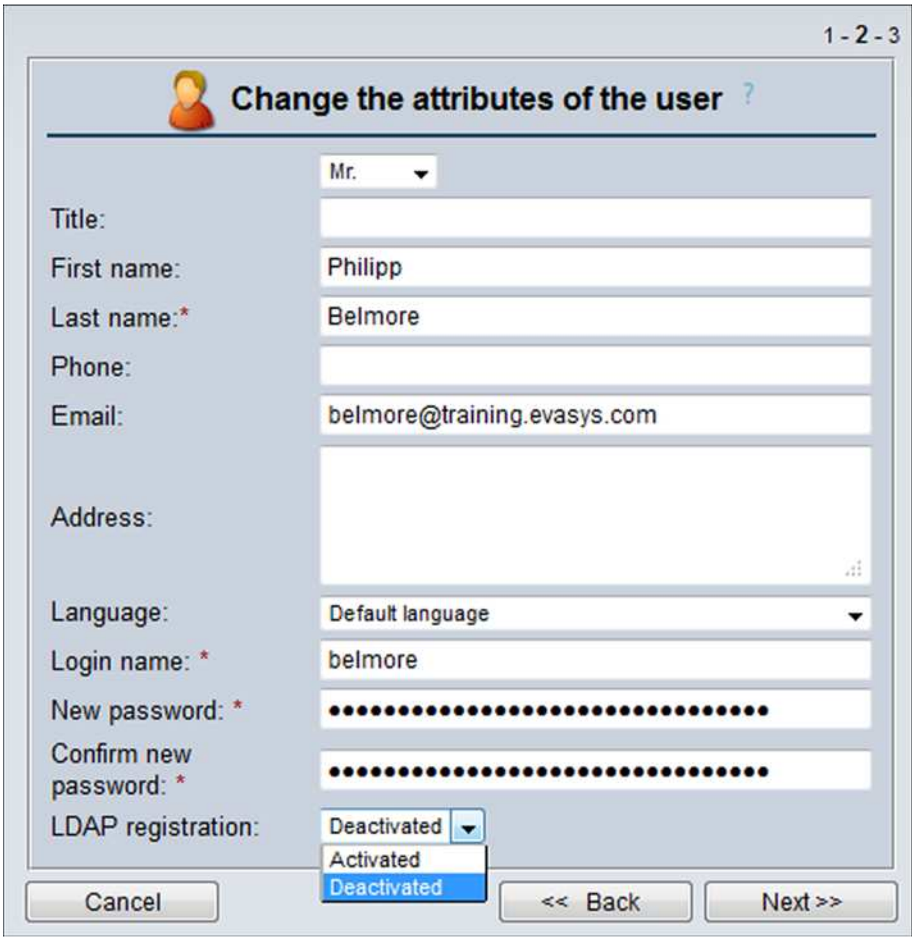
If option 2 is selected in the configuration, the LDAP login is automatically enabled for all users. Now, when a user logs into EvaSys an authentification takes place in the LDAP system.

In order to prevent accidental lockout from the system, administrator access is by default excluded from the LDAP login. If desired, however, the login for this account can also be enabled in the EvaSys settings under “System Settings/EvaSys Settings/ Network Settings/LDAP Registration also for the Administrator”.

If you activate LDAP in the setting at “EvaSys Settings/Network Settings/LDAP Host” anytime a user logs in to EvaSys an authentification will take place. The authentification is made only of users of the type Instructor. The settings for your LDAP server are at “EvaSys Settings/Network Settings/LDAP Host” and for your Basis Distinguished Name at “EvaSys Settings/Network Settings/LDAP Base-DN”.

The instructor's account must exist in EvaSys as well as in LDAP. You can use an XML or CSV import interface to synchronize the user data with EvaSys. The user's name and login name must both be imported. The password will be adjusted via LDAP and does not need to be imported into EvaSys.

If desired, the LDAP connection can be encrypted in the configuration (LDAPS) (“System Settings/EvaSys Settings/Network Settings/LDAP secure connection”).



Mr.
Title:
First name: Philipp
Last name:* Belmore
Phone:
Email: belmore@training.evasys.com
Address:
Language: Default language
Login name: * belmore
New password: * ••••••••••••••••••••••••••••••••
Confirm new password: * ••••••••••••••••••••••••••••••••
LDAP registration: Deactivated

Abbildung 39: Activating LDAP in the User Settings

2.2.3. Creating Courses

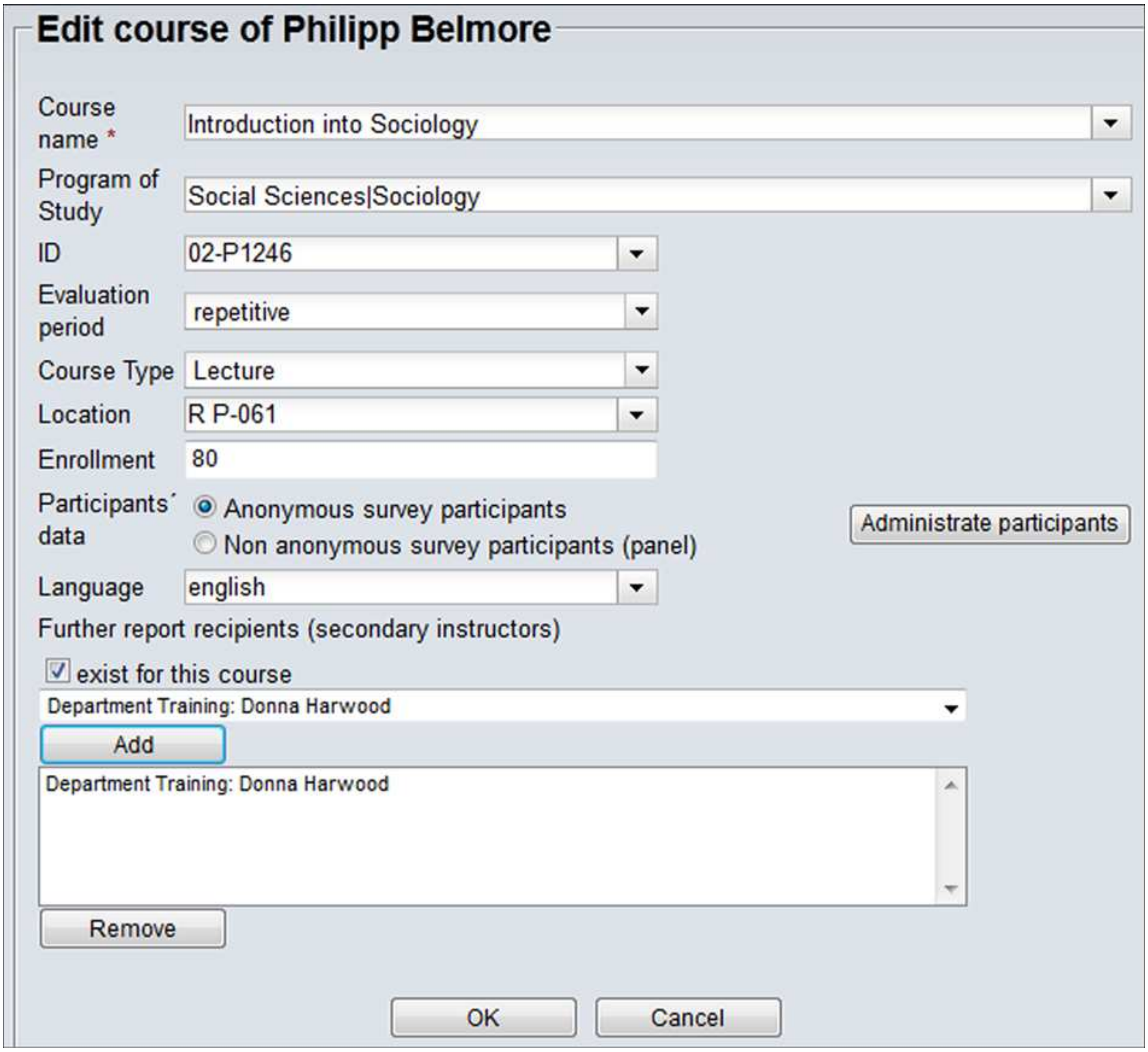
The administrator as well as the subunit administrators can assign courses to a an instructor or dean. This function is only available when using the “Central Evaluation” server version.

The basic idea of the Central Evaluation is the repetitive implementation of large-scale surveys of a correspondingly large number of courses. A survey is always related to a course. In order to be able to compare survey results each course must be evaluated only once in a given survey period. The survey period is in most cases a semester, although it could also be set as a trisemester or a half semester (“System Settings/ Periods”).

The fields available for a course include:

- **Course Name**: Title of the course
- **Program of Studies**: The short name of the program of studies can be used to create program of studies reports across subunits.
- **ID**: Unique ID of the course
- **Evaluation period**: Continuous, which means that the course can be surveyed more than one time, or a specific period, e.g. WS11/12

- **Course Type**: Lecture, seminar, etc. Course types can be viewed and changed at (“System Settings/Course Types”).
- **Location**: Optional information
- **Enrollment**: The number of students/participants in a class can be used to create the appropriate number of PSWDs for online surveys or questionnaires.
- **Partcipants data**: Setting of the questioning type (anonymous and non-anonymous questioning) and the suitable management of the participant data
- **Custom Course Data Fields**: These maximum five fields can be defined at will and be used for filtering for PDF reports.
- **Further report recipients (secondary instructors)**: further report recipients resp. secondary instructors can be assigned to each course.



Edit course of Philipp Belmore

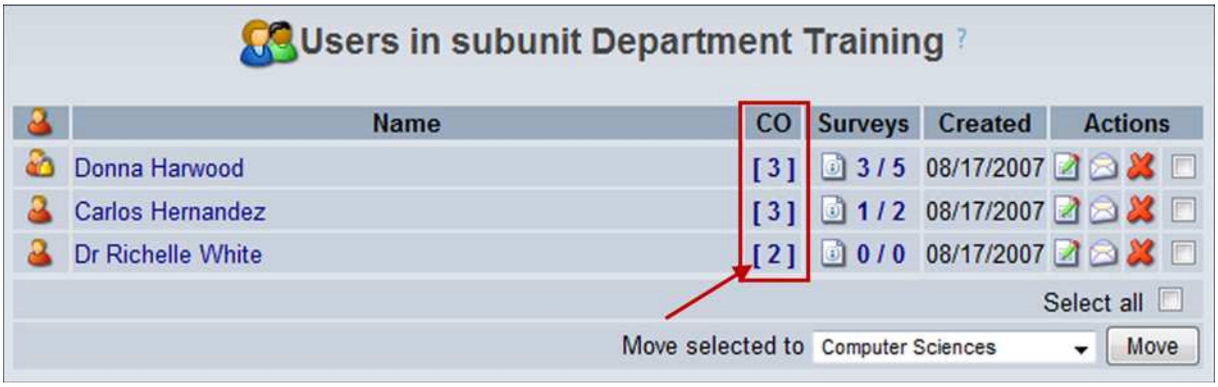
Course name *: Introduction into Sociology
Program of Study: Social Sciences|Sociology
ID: 02-P1246
Evaluation period: repetitive
Course Type: Lecture
Location: R P-061
Enrollment: 80
Participants´ data: ● Anonymous survey participants ○ Non anonymous survey participants (panel)
Language: english
Further report recipients (secondary instructors)
☑ exist for this course
Department Training: Donna Harwood
Department Training: Donna Harwood

Figure 40: Create Course

The contents of the text boxes Course Name, Program of Study, Course ID and Room, as well as the title and contents of additional course data (language, in the example named above) can be predefined by the administrator in the System Configuration settings, so that repeating attributes can be selected from a drop-down list (see Section “Set Predefined Values for Course Items” below). In addition, clicking on the text entry box allows you to make manual changes to the contents.

Adding, Editing and Deleting Courses Manually

To access the course list of an instructor, open the user list of a subunit. Click on the number in square brackets in the column CO next to the name of the desired instructor.



Users in subunit Department Training

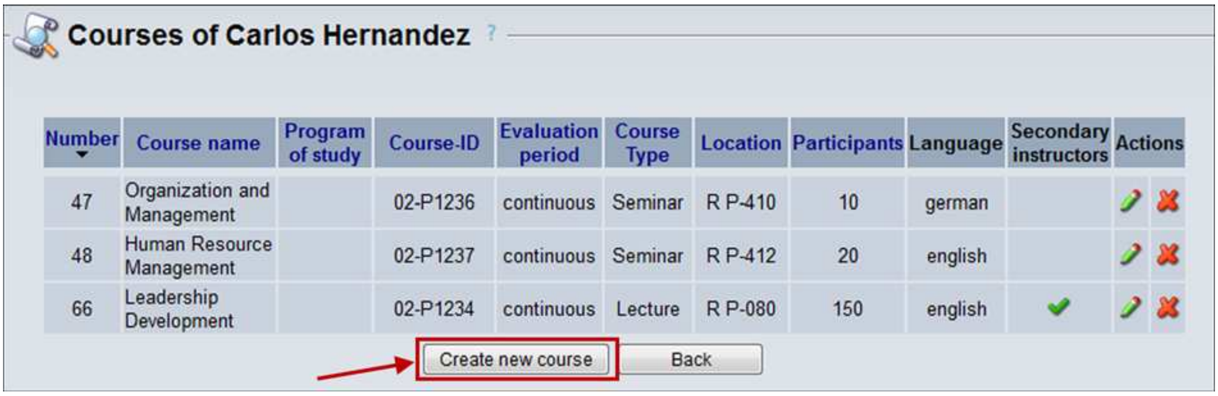
	Name	CO	Surveys	Created	Actions
	Donna Harwood	[3]	3 / 5	08/17/2007	☐
	Carlos Hernandez	[3]	1 / 2	08/17/2007	☐
	Dr Richelle White	[2]	0 / 0	08/17/2007	☐

Select all ☐

Move selected to Computer Sciences Move

Figure 41: User List within a Subunit

The course list of an instructor opens. Via the button [Create new course] you can add new courses at any time. The entry mask shown in the picture above opens and the data for the course can be entered.



Courses of Carlos Hernandez

Number	Course name	Program of study	Course-ID	Evaluation period	Course Type	Location	Participants	Language	Secondary instructors	Actions
47	Organization and Management		02-P1236	continuous	Seminar	R P-410	10	german		
48	Human Resource Management		02-P1237	continuous	Seminar	R P-412	20	english		
66	Leadership Development		02-P1234	continuous	Lecture	R P-080	150	english	✓	

Figure 42: Course List

An existing course can be edited with a click on the green pencil symbol.

Courses can be deleted by clicking on the red cross symbol..

Note:
When you delete a course, all surveys created for this course together with all their data are also automatically deleted.

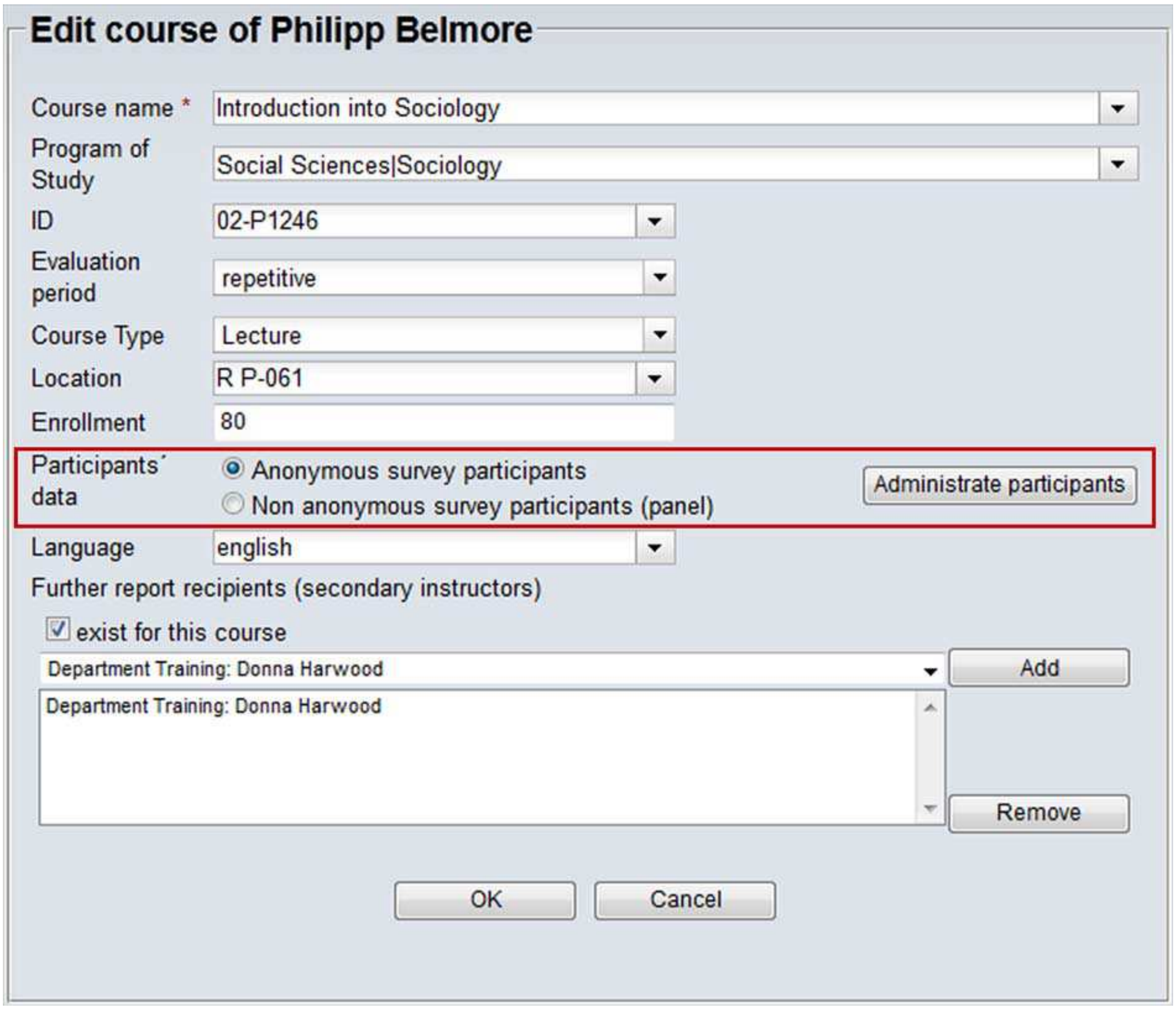
By clicking on the respective column header, the course list can be sorted – ascending and descending.

Editing Participant Data

In the details of a course, you also have the possibility of editing the participant data of a course.

In this area you can :

- manually insert participants into a course,
- delete single participants of the course,
- process existing participants,
- delete all existing participants of the course and
- import all participant data directly for this course via CSV Import.



Edit course of Philipp Belmore

Course name *: Introduction into Sociology

Program of Study: Social Sciences|Sociology

ID: 02-P1246

Evaluation period: repetitive

Course Type: Lecture

Location: R P-061

Enrollment: 80

Participants´ data: ● Anonymous survey participants ○ Non anonymous survey participants (panel)

Language: english

Further report recipients (secondary instructors)

☑ exist for this course

Department Training: Donna Harwood

Department Training: Donna Harwood

Figure 43: Editing Participants' Data in the Details of a Course

The participant data differentiates itself depending on whether you are conducting the course anonymously or non-anonymously. In anonymous surveys, the participants data only contains only the participants email address (which you require to send PSWDs in online surveys). In non-anonymous surveys, you can specify further details.

The default in EvaSys is that courses are evaluated anonymously. If you wish to conduct non-anonymous surveys, specify this in the details of the course.

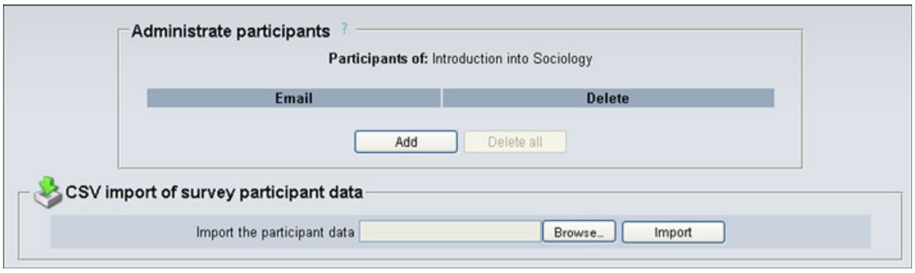
Specifying Participant Data in Non-anonymous Surveys

In non-anonymous surveys, in addition to the email address, you can also deposit other information such as forename, surname, address, title, and user defined options. Further information regarding the creation of non-anonymous surveys as well as inserting and editing participant data in non-anonymous surveys can be found in the paragraph “Importing participant data” in chapter B 3.12. "Non-anonymous Surveys".

Specifying Participant Data in Anonymous Surveys

If you wish to evaluate the course anonymously, and therefore activated the option “Anonymous survey participants” in the above graphic, you can only insert the email address of the participants. This makes sense, for example, when you want to send the participants of an online survey their PSWDs via email.

After you have activated the option “Anonymous Survey Participants” in the details of a course, click on [Edit data of participants]. In the window which opens automatically, you have the opportunity to either insert the email addresses of your anonymous participants manually or to import them via CSV import:

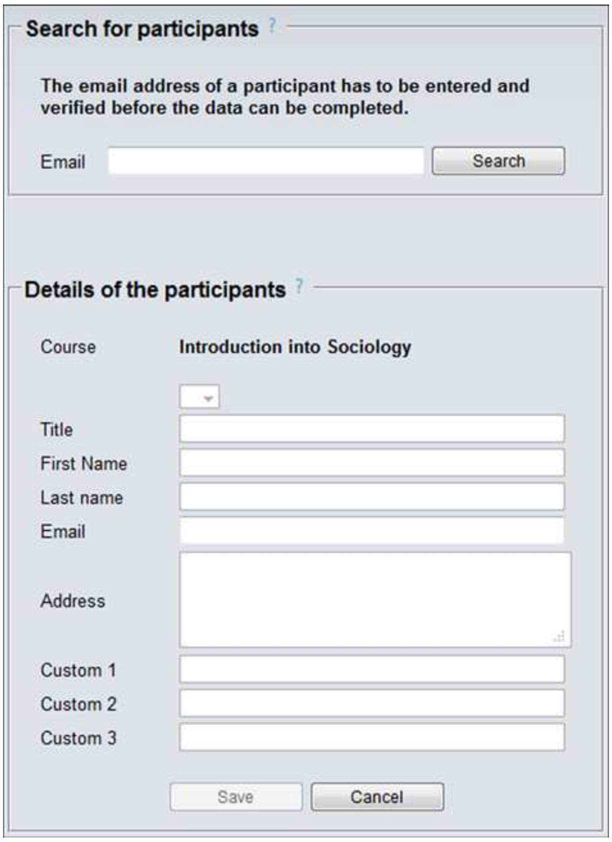

Administrate participants
Email
Delete
Add
Delete all
CSV import of survey participant data
Import the participant data
Browse...
Import

Participants of: Introduction into Sociology

Figure 44: Adding Anonymous Participants of a Course (Overview)

Further information on CSV-importing of email addresses can be found in chapter B 2.3.3. "Import of Course Participants’ Email Addresses ".

To enter email addresses manually, click on the button [Add] in the field “Participant of …”. The following window will open.


Search for participants
Email
Search
Details of the participants
Title
First Name
Last name
Email
Address
Custom 1
Custom 2
Custom 3
Save
Cancel

The email address of a participant has to be entered and verified before the data can be completed.

Course Introduction into Sociology

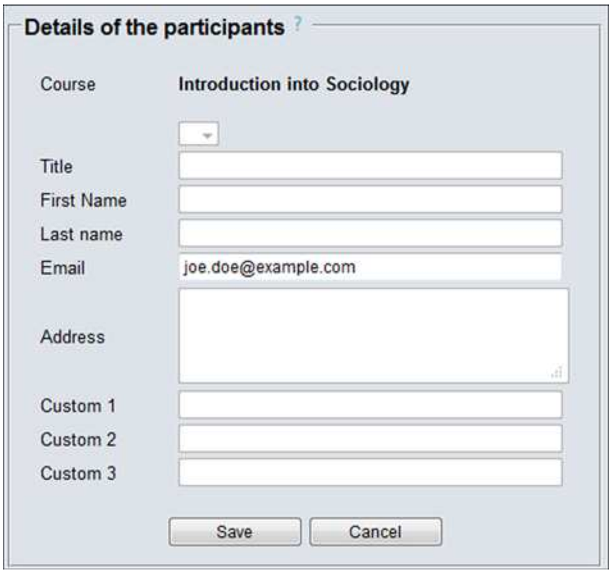
Figure 45: Adding Anonymous Participants of a Course (Details)

To enter new participants, first enter the email address of the participant in the field “Search for participants”. Subsequently click on [Search].

In the following “search” or checking of the email address you supplied, EvaSys checks the following:

- Is there a participant with this email address already existent in the system? (In anonymous surveys you see no impact of this, should this already be the case. In non-anonymous surveys, a data synchronization takes place, and the already existent information such as forename, last name etc., are automatically adopted.)
- Is the email valid, meaning valid within the usual rules of an email address? At this point– as well as in other parts of the system – the structure of an email address is thoroughly inspected. (This concerns, amongst others, the following rules: there must be at least one character before the “@” sign, and after it too, this character must be followed by a dot and at least two characters. Umlauts, as characters, are not allowed.)

After checking, EvaSys automatically adopts the email address in the area “Details of the participants”:



Details of the participants

Course: Introduction into Sociology

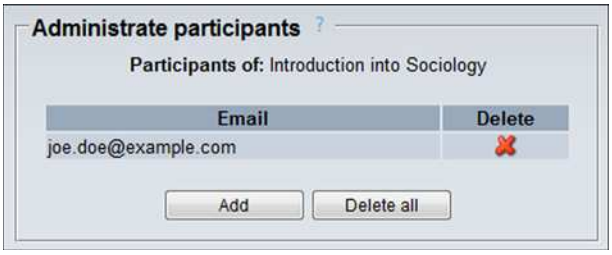
Email: joe.doe@example.com

Figure 46: Entering the Email Address of Anonymous Participants

All other existing fields here, for example forename and surname, are deactivated, because this survey is anonymous. (Although you can't see this in the graphic. If, in a similar constellation, you try to enter something into EvaSys, you will realize that this is not possible.

Editing the email address in the area “Details of the participants” is no longer possible. If you have entered an email address incorrectly, you can klick [Cancel] here and delete it. (After this you can enter it into the system again, of course.)

If your entry is correct, click on [Save] to insert this email address into the course:



Administrate participants

Participants of: Introduction into Sociology

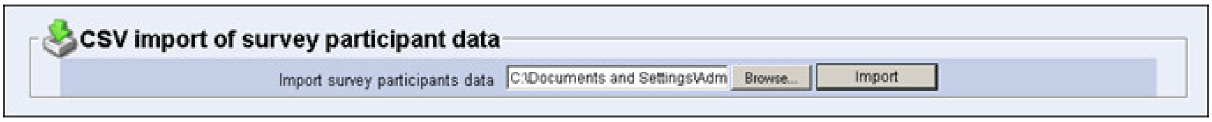
Email	Delete
joe.doe@example.com	✗

Figure 47: Email of a Participant was Added

In the case of erroneous input or a changed email address, you can also delete the email address here. To do this, click in the relevant column on the red cross.

As already mentioned, you also have the possibility of importing the email addresses of your anonymous participants via CSV import

In the details of a course, click on [Edit data of participants]. In the following window, choose the “CSV import of survey participant data”:

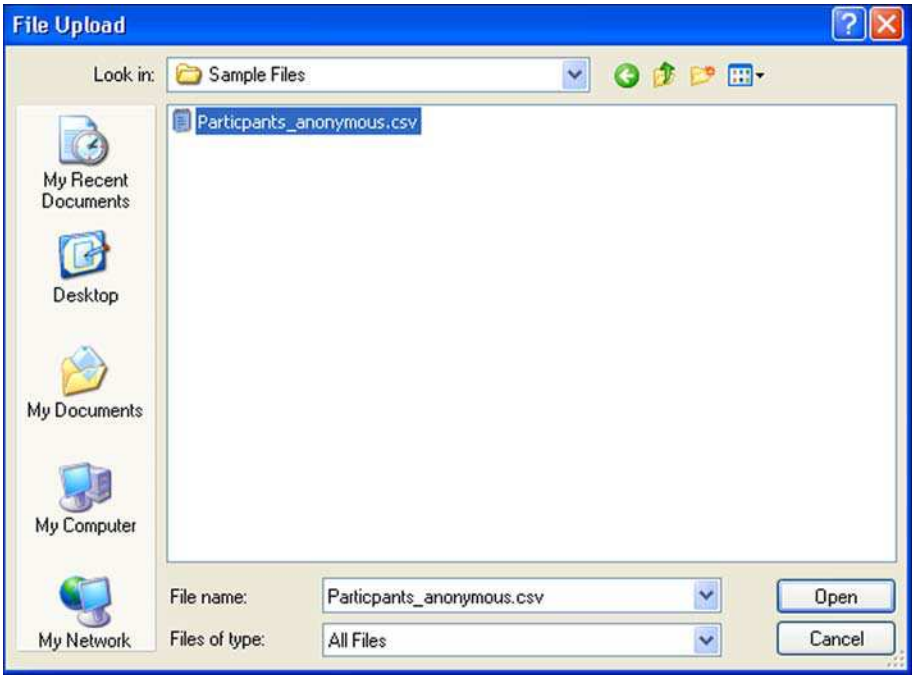


CSV import of survey participant data

Import survey participants data: C:\Documents and Settings\Adm

Figure 48: CSV Import of Survey Participants’ Data

Click on [Browse] and indicate the location of the CSV file:



Look in: Sample Files

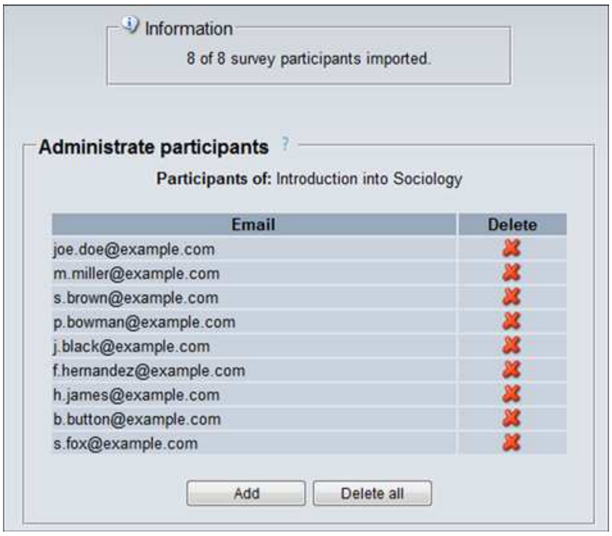
Particpants_anonymous.csv

File name: Particpants_anonymous.csv

Files of type: All Files

Figure 49: Choosing the CSV File

Click on [Open] and then on [Import]. The email addresses of your participants are now linked with the course:



Information

8 of 8 survey participants imported.

Administrate participants

Participants of: Introduction into Sociology

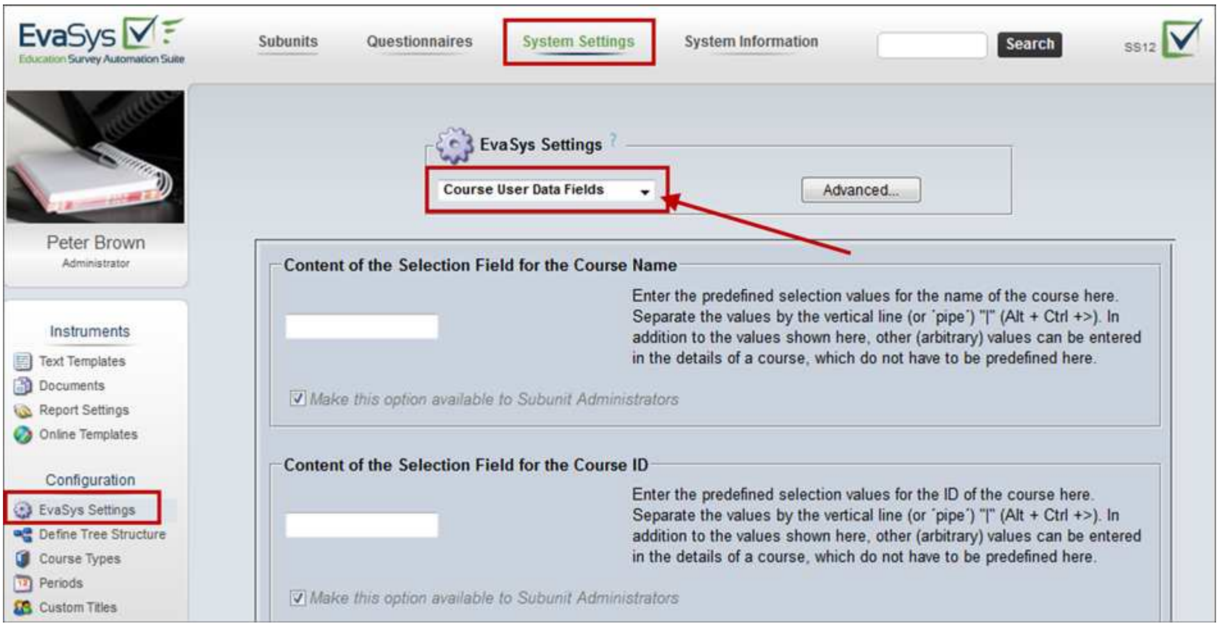
Email	Delete
joe.doe@example.com	✗
m.miller@example.com	✗
s.brown@example.com	✗
p.bowman@example.com	✗
j.black@example.com	✗
f.hernandez@example.com	✗
h.james@example.com	✗
b.button@example.com	✗
s.fox@example.com	✗

Figure 50: Import of Email Addresses was Successful

As already mentioned, you can delete single email addresses by clicking on the red cross next to the relevant email address. In addition, you can delete all email addresses by clicking on [Delete all].

Set Predefined Values for Course Items

To preset course contents, go to the menu “System Settings/EvaSys Settings” and select the option “Course User Data Fields” from the drop-down menu located in the header.


Subunits
Questionnaires
System Settings
System Information
Search
SS12
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Custom Titles
EvaSys Settings
Course User Data Fields
Advanced...

Content of the Selection Field for the Course Name

Enter the predefined selection values for the name of the course here. Separate the values by the vertical line (or ´pipe´) "|" (Alt + Ctrl +>). In addition to the values shown here, other (arbitrary) values can be entered in the details of a course, which do not have to be predefined here.

☑ Make this option available to Subunit Administrators

Content of the Selection Field for the Course ID

Enter the predefined selection values for the ID of the course here. Separate the values by the vertical line (or ´pipe´) "|" (Alt + Ctrl +>). In addition to the values shown here, other (arbitrary) values can be entered in the details of a course, which do not have to be predefined here.

☑ Make this option available to Subunit Administrators

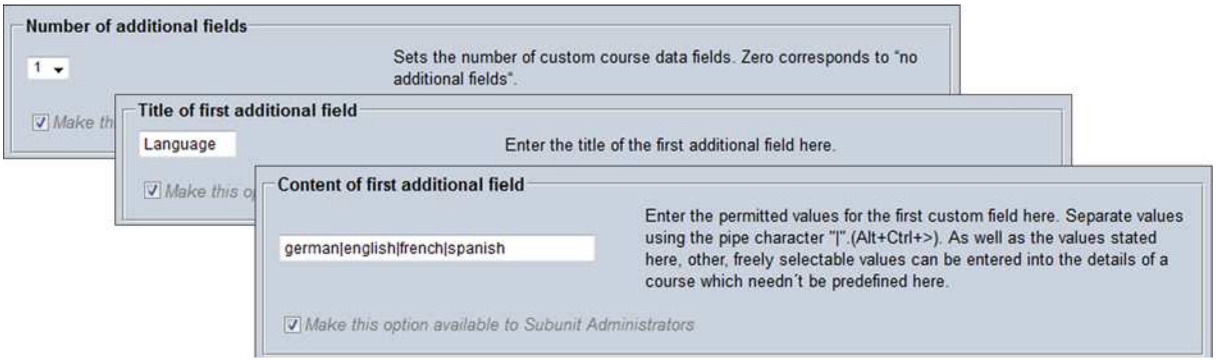
Figure 51: Edit Course User Data Fields

You can use the text entry boxes in the first four EvaSys Settings options to create contents for the following selection boxes: course name, course ID, program of study, and room. Several successive entries must be separated from one another using a vertical bar |, or “pipe” symbol ([Alt]+[Ctrl]+[>]).

You can then use additional EvaSys Settings entries to create further course options and define the title and contents of additional text entry boxes.

Select at “Number of additional fields” how many information fields you would like to use. You may add from 0 (zero) to 5.

Then indicate the headings of these fields at Titles, e.g. “languages” as well as the possible values of the field at contents, e.g. “English|German|Spanish”.



Number of additional fields

1

Sets the number of custom course data fields. Zero corresponds to "no additional fields".

☑ Make th

Title of first additional field

Language

Enter the title of the first additional field here.

☑ Make this o

Content of first additional field

german|english|french|spanish

Enter the permitted values for the first custom field here. Separate values using the pipe character "|".(Alt+Ctrl+>). As well as the values stated here, other, freely selectable values can be entered into the details of a course which needn´t be predefined here.

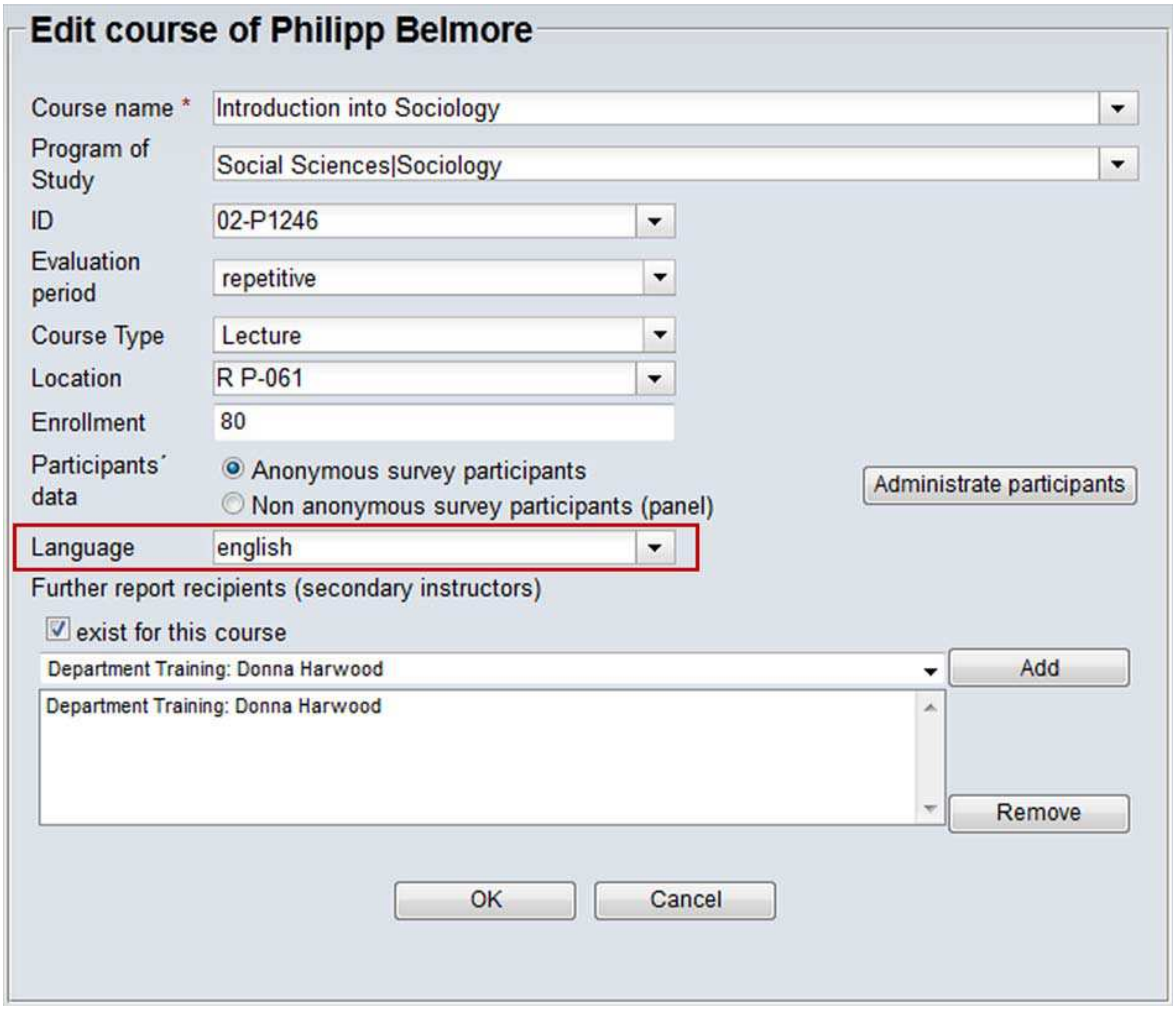
☑ Make this option available to Subunit Administrators

Figure 52: Define Course User Data Fields

These additional information fields reappear for selection in the following areas:

- CSV import of instructor and course data
- Adding and editing a course
- Raw data export through archiving

In the previous figure you see the user defined data fields (Language, location) in the details of a course. All predefined contents are shown here in a drop-down menu. If necessary, the content of a field can also be entered here directly.



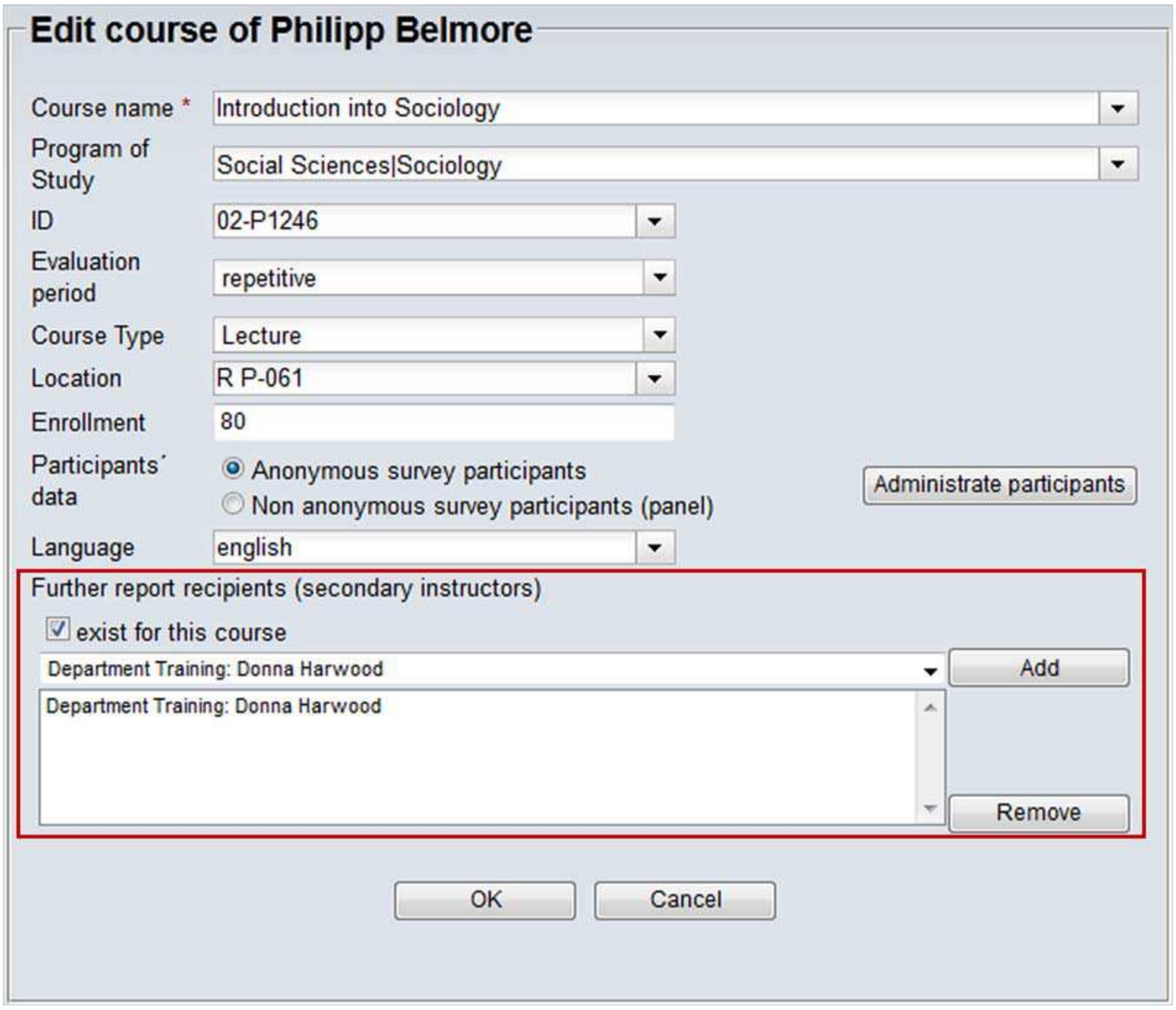
Edit course of Philipp Belmore

Course name * Introduction into Sociology
Program of Study Social Sciences|Sociology
ID 02-P1246
Evaluation period repetitive
Course Type Lecture
Location R P-061
Enrollment 80
Participants´ data ● Anonymous survey participants ○ Non anonymous survey participants (panel)
Language english
Further report recipients (secondary instructors)
☑ exist for this course
Department Training: Donna Harwood
Department Training: Donna Harwood

Figure 53: Course User Data Fields in the Details of a Course

Definition of Secondary Instructors

If a course is held by more than one person but only one evaluation questionnaire is to be used then secondary instructors are specified, who will also receive a copy of the PDF reports. Activate the control box “Further report recipients (secondary instructors) in this course” in the relevant course and add the individuals from the list.

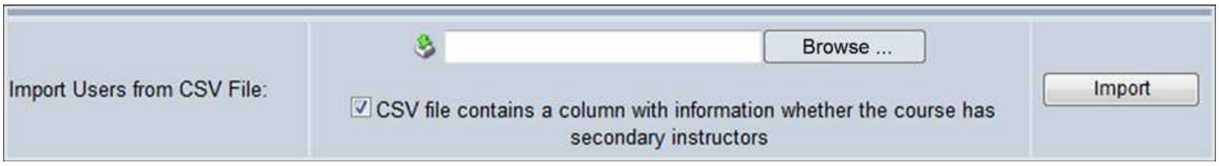


Edit course of Philipp Belmore

Course name *: Introduction into Sociology
Program of Study: Social Sciences|Sociology
ID: 02-P1246
Evaluation period: repetitive
Course Type: Lecture
Location: R P-061
Enrollment: 80
Participants´ data: ● Anonymous survey participants ○ Non anonymous survey participants (panel)
Language: english

Further report recipients (secondary instructors)
☑ exist for this course
Department Training: Donna Harwood
Department Training: Donna Harwood

Figure 54: Definition of Secondary Instructors



Import Users from CSV File:
☑ CSV file contains a column with information whether the course has secondary instructors

Figure 55: Activating of Secondary Instructors During the Import

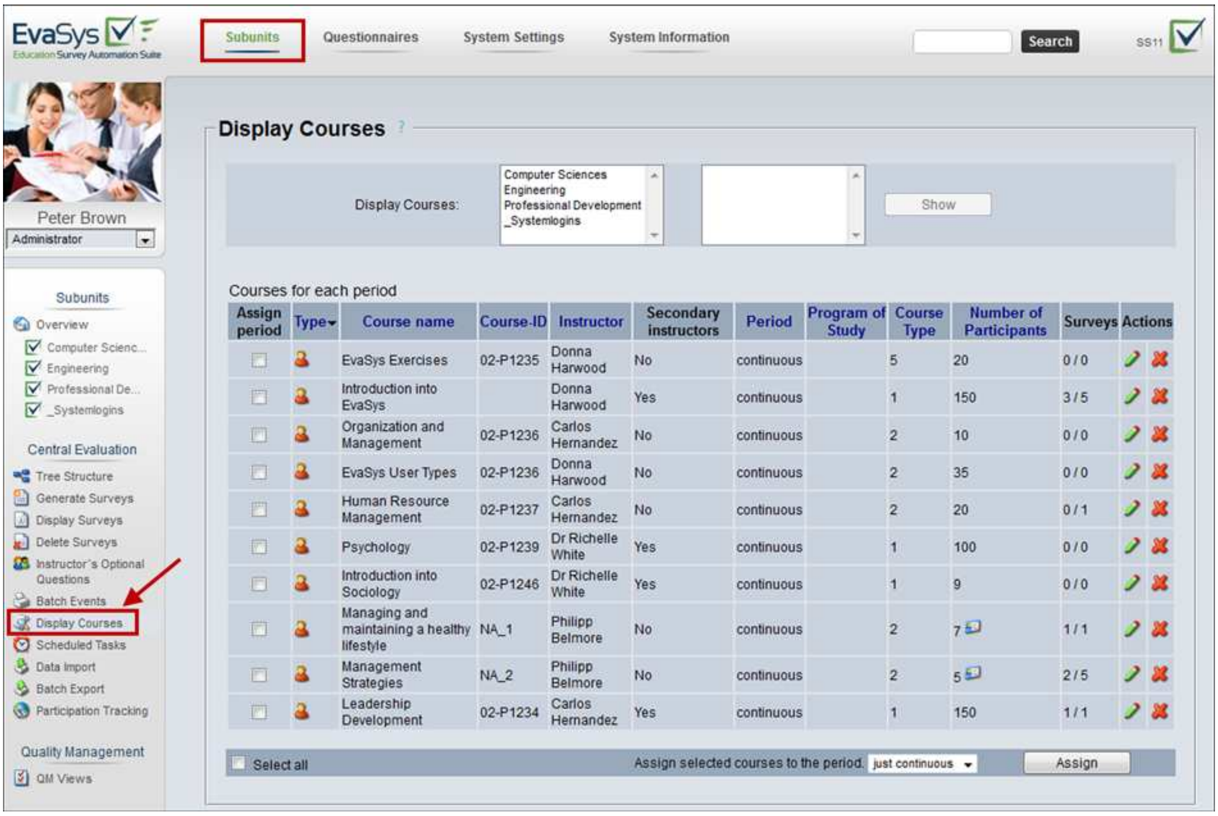
Displaying Courses

The function “Display courses” in the main menu “Subunits” under “Central evaluation” offers an overview of the courses of an entire subunit. Here, along with the access to respective properties, the period affiliation of a large number of courses can be defined here.

After clicking on “Display courses“, select a subunit and an survey period. Then click on [Display]. A table appears showing the identification data of the identified courses.

By clicking on the respective column headers this table can be sorted as you wish, whereby the order alternates between ascending and descending.

By clicking on the icon ✎ a course can be edited. Clicking on this icon ✗ will delete a course.


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Subunits
Overview
Computer Scienc...
Engineering
Professional De...
_Systemlogins
Central Evaluation
Tree Structure
Generate Surveys
Display Surveys
Delete Surveys
Instructor's Optional Questions
Batch Events
Display Courses
Scheduled Tasks
Data Import
Batch Export
Participation Tracking
Quality Management
QM Views
Display Courses
Display Courses:
Computer Sciences
Engineering
Professional Development
_Systemlogins
Show

Courses for each period

Assign period	Type	Course name	Course-ID	Instructor	Secondary instructors	Period	Program of Study	Course Type	Number of Participants	Surveys	Actions
☐	👤	EvaSys Exercises	02-P1235	Donna Harwood	No	continuous		5	20	0 / 0	✎ ✗
☐	👤	Introduction into EvaSys		Donna Harwood	Yes	continuous		1	150	3 / 5	✎ ✗
☐	👤	Organization and Management	02-P1236	Carlos Hernandez	No	continuous		2	10	0 / 0	✎ ✗
☐	👤	EvaSys User Types	02-P1236	Donna Harwood	No	continuous		2	35	0 / 0	✎ ✗
☐	👤	Human Resource Management	02-P1237	Carlos Hernandez	No	continuous		2	20	0 / 1	✎ ✗
☐	👤	Psychology	02-P1239	Dr Richelle White	Yes	continuous		1	100	0 / 0	✎ ✗
☐	👤	Introduction into Sociology	02-P1246	Dr Richelle White	Yes	continuous		1	9	0 / 0	✎ ✗
☐	👤	Managing and maintaining a healthy lifestyle	NA_1	Philipp Belmore	No	continuous		2	7	1 / 1	✎ ✗
☐	👤	Management Strategies	NA_2	Philipp Belmore	No	continuous		2	5	2 / 5	✎ ✗
☐	👤	Leadership Development	02-P1234	Carlos Hernandez	Yes	continuous		1	150	1 / 1	✎ ✗

☐ Select all — Assign selected courses to the period. just continuous — Assign

Figure 56: Display of a Subunit's Courses

At the bottom of the table a function is available which allows you to redefine the period link of one or more courses:

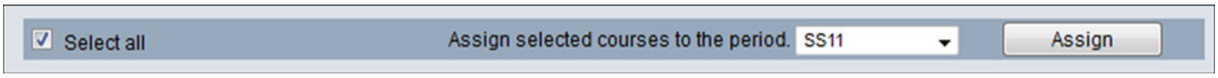

☑ Select all — Assign selected courses to the period. SS11 — Assign

Figure 57: Redefine the Period link of one or more Courses

Select either an individual course by ticking the check mark box on the left side of the table, or select all courses by ticking the check mark box "Select all". Then determine from the period selection list the respective survey period and click on [Assign].

2.3. Import Interfaces

The import is intended for data migration from existing systems. Existing data structures can be imported into EvaSys via CSV and XML-import. This is possible not only via the administrator's access (for the complete system) but also via the subunit administrator's access (for the subunits of the relevant subunit administrator).

2.3.1. CSV-Import within Subunits

EvaSys has a CSV import interface, so that you do not have to enter manually all users, modules, and courses for a subject. Use this interface to import user profiles.

CSV stands for “Comma Separated Values” and means that data sets are changed line by line into data fields separated by commas (or other separators) in text files. You can set the separator at “EvaSys Settings/Data Import and Export/Separator CSV Files”. Spreadsheet programs, e.g. Microsoft Excel, offer the possibility to save tables as CSV files.

Creating a User with CSV Import

To import this file, click on [Browse] and select the file. Finally click on [Import]. All users as well as their courses will be generated, unless they already exist. Instructors already present will not be set up a second time, so that you can always import the current liThe CSV Import file has to contain all the information required by EvaSys for the user, module, or course. If the file includes a header which defines the contents of each individual column, then the file composition may vary. If no header is used, then the file must follow a certain format. Both options are described below.

CSV File with Header

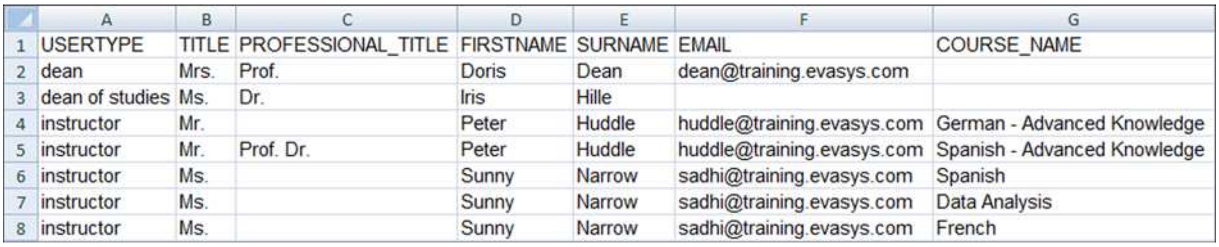
You can use predefined column descriptions to determine which columns contain which information on the user or the course in the CSV file. The following is a list of possible column descriptions and the content they are associated with.

Column Description	Column Contents	Max. Number of Characters	Manda-tory Entry
USERTYPE	Type of user (e.g. Instructor/Trainer, Module, Report Creator, etc.)	50	
MODULENAME	Module Name (Module Evaluation only)	100	
PROFESSIONAL_TITLE	Professional Title (e.g. Dr., Prof.)	50	
TITLE	Title (e.g. Mr., Mrs.)	50	
FIRSTNAME	First Name	50	
SURNAME	Last Name	50	X
EMAIL	Email Address	100	
COURSE_NAME	Course Name	200	X
COURSE_CODE	Course ID	150	X
COURSE_LOCATION	Room	100	
PROGRAM_OF_STUDIES	Program of Study	200	
COURSE_TYPE	Course Type	50	
COURSE_PARTICIPANTS	Number of Participants	--	
CUSTOMFIELD1	Additional Course Information 1	--	
CUSTOMFIELD2	Additional Course Information 2	--	
CUSTOMFIELD3	Additional Course Information 3	--	
CUSTOMFIELD4	Additional Course Information 4	--	

Column Description	Column Contents	Max. Number of Characters	Manda-tory Entry
CUSTOMFIELD5	Additional Course Information 5	--	
USER_EXTERNAL_ID	User's External ID	64	
COURSE_EXTERNAL_ID	Course's External ID	64	
SECONDARY_INSTRUCTOR_EXTERNAL_IDS	Secondary instructor's External ID	649 (10x external ID + separator)	

Table 3: Column Descriptions for CSV Files with Headers

Using column descriptions allows you to vary the order of individual columns or column entries within the CSV file. The following is an example of how you could organize one of these files:



	A	B	C	D	E	F	G
1	USERTYPE	TITLE	PROFESSIONAL_TITLE	FIRSTNAME	SURNAME	EMAIL	COURSE_NAME
2	dean	Mrs.	Prof.	Doris	Dean	dean@training.evasys.com	
3	dean of studies	Ms.	Dr.	Iris	Hille		
4	instructor	Mr.		Peter	Huddle	huddle@training.evasys.com	German - Advanced Knowledge
5	instructor	Mr.	Prof. Dr.	Peter	Huddle	huddle@training.evasys.com	Spanish - Advanced Knowledge
6	instructor	Ms.		Sunny	Narrow	sadhi@training.evasys.com	Spanish
7	instructor	Ms.		Sunny	Narrow	sadhi@training.evasys.com	Data Analysis
8	instructor	Ms.		Sunny	Narrow	sadhi@training.evasys.com	French

Figure 58: CSV Import: Example with Header

A row from the CSV file mentioned in the example above might look as follows:

Instructor;Mr.;Prof. Dr.;Adam;Adamski;user@example.com;Financial Policy and Analysis;ECON001;BUS|ECON;1;

You must adhere to the following rules:

- **User Information**

If only user information (no course information) is to be imported, then the file must at least contain the last name of the user. If you do not define the user type, the program automatically creates an instructor/trainer account. The column descriptions (in the header) for course name and identifier must be included in the file, but the columns may be empty.

- **Course Information**

If you are importing course information, then you must include the course name and identifier in the CSV file. The course identifier cannot be a duplicate.

The instructor/trainer information must be re-entered for every course taught by that instructor/trainer. Course information cannot simply be imported “on its own” - it must be assigned to an instructor/trainer.

- **Course Type**

For the course type, enter the ID which is listed in the “Course Types” menu as belonging to that type of course into the CSV file (e.g. 1 = lecture, 2 = seminar, etc.).

- **Additional Course Information:**

Additional course information can also be imported using a CSV file. The additional information must first be defined in EvaSys Settings (“System Settings/EvaSys Settings/Course User Data Fields,” see chapter B 2.2.3. "Creating Courses", Section “Supplementing course data with institute specific information”).

- **User's External ID**

Users can be provided with a distinct identification number for their user attributes in the form of an external ID. If an instructor/trainer already exists in a subunit in the system, and has to be added to one or more additional subunits, the user which is to be imported into these subunits can be matched with the existing user via their external ID. This means that the newly imported user does not require an additional license.

- **Secondary Instructors**

Secondary instructors can only be imported if they already have an instructor's/trainer's account in the system and possess an external ID. The import uses the external ID to assign information from the existing instructor's/trainer's account to the secondary instructor's account.

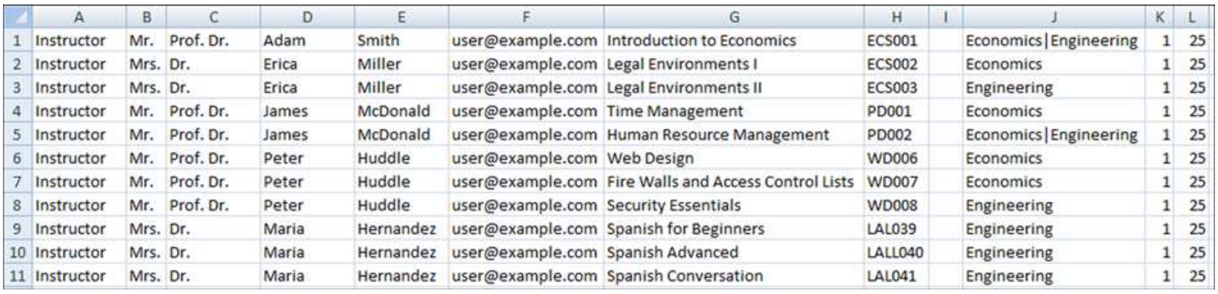
CSV File without a Header

If you wish to import a CSV file without a header into the System, the file must follow a strict, predefined pattern.

The CSV import file must use the following basic structure:

Instructor Data						Course Data					
Function	Title 1	Title 2	First Name	Last Name	Email	Course Name	Course ID	Course Location	Program of Studies	Course Type	Number Participants
Instructor	Mr.	Prof. Dr.	Ned	Overend	overend@example.com	Math I	10554-v	02.105	Economics	1	34
Instructor	Mr.	Prof. Dr.	Edward	Montgomery	montg@example.com	Math II	10564-v	02.123	Economics	2	20
Instructor	Mrs.	Prof. Dr.	Mary	Chevalier	m.chevalier@example.com						20

Table 4: Structure of the CSV File I



	A	B	C	D	E	F	G	H	I	J	K	L
1	Instructor	Mr.	Prof. Dr.	Adam	Smith	user@example.com	Introduction to Economics	ECS001		Economics|Engineering	1	25
2	Instructor	Mrs.	Dr.	Erica	Miller	user@example.com	Legal Environments I	ECS002		Economics	1	25
3	Instructor	Mrs.	Dr.	Erica	Miller	user@example.com	Legal Environments II	ECS003		Engineering	1	25
4	Instructor	Mr.	Prof. Dr.	James	McDonald	user@example.com	Time Management	PD001		Economics	1	25
5	Instructor	Mr.	Prof. Dr.	James	McDonald	user@example.com	Human Resource Management	PD002		Economics|Engineering	1	25
6	Instructor	Mr.	Prof. Dr.	Peter	Huddle	user@example.com	Web Design	WD006		Economics	1	25
7	Instructor	Mr.	Prof. Dr.	Peter	Huddle	user@example.com	Fire Walls and Access Control Lists	WD007		Economics	1	25
8	Instructor	Mr.	Prof. Dr.	Peter	Huddle	user@example.com	Security Essentials	WD008		Engineering	1	25
9	Instructor	Mrs.	Dr.	Maria	Hernandez	user@example.com	Spanish for Beginners	LAL039		Engineering	1	25
10	Instructor	Mrs.	Dr.	Maria	Hernandez	user@example.com	Spanish Advanced	LALL040		Engineering	1	25
11	Instructor	Mrs.	Dr.	Maria	Hernandez	user@example.com	Spanish Conversation	LAL041		Engineering	1	25

Figure 59: Example of a CSV File in Excel

- **Secondary Instructors**

  If the course is to be taught by several instructors/trainers, who will be “co-evaluated” using the same questionnaire, and who all need to receive a PDF report, place a “1” in the next text box. When using a CSV import without headers, you can only note that a course has secondary instructors/trainers. Information on these additional instructors/trainers must be entered manually into the course details once the import is complete.

- **Additional Course Information:**

  Additional course information can also be imported using a CSV file. The additional information must first be defined in EvaSys Settings (“System Settings/EvaSys Settings/Course User Data Fields,” see chapter B 2.2.3. „Creating Courses“, Section “Supplementing course data with institute specific information”). .

Note:

Please ensure that the information is sequenced correctly in the CSV file: First the secondary instructors/trainers, then additional course information.

In addition, please note that: Information on instructor's external IDs, courses, and secondary instructors can only be imported using a CSV file with headers.

Example:

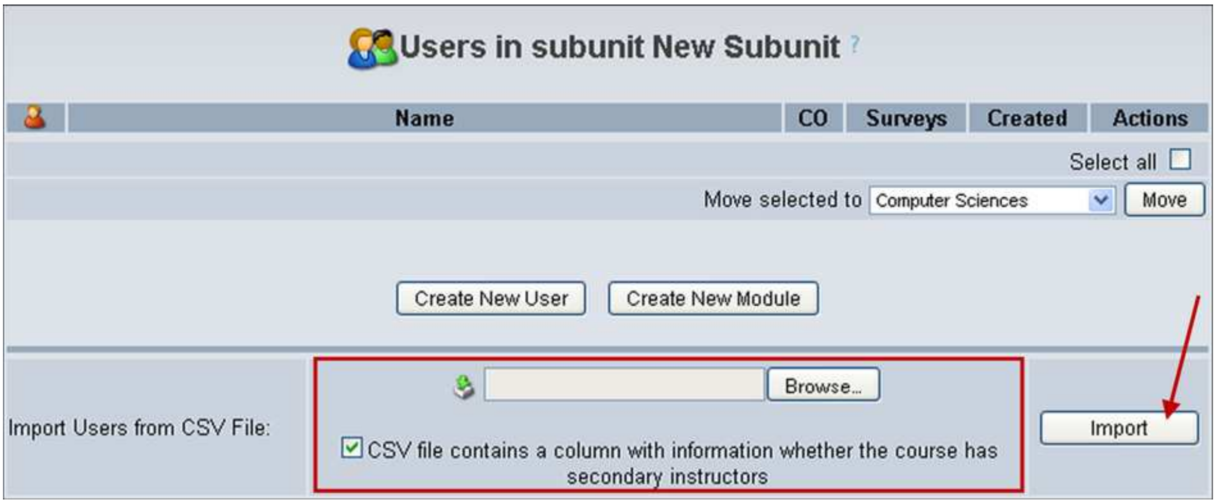
An example for a CSV data line along with these additional fields:

Instructor,Mr.,Prof.Dr.,Michael,White,m.white@example.com,Math II,10574-v,02.104,Economics,1,20,0, German,Theory

In this example the line was filled in with a 0 (= no secondary instructors) as well as “German” and “Theory” (for user defined course fields for language of instruction and theory/practice orientation).

CSV Import Procedure

To carry out a CSV-import for structural data go to the user list of a subunit. Via the button [Browse…] in the section “Import Users from CSV File” you can select a CSV-file which contains all instructors and courses you wish to import. Click the button [Import] to upload the file.


Users in subunit New Subunit

	Name	CO	Surveys	Created	Actions

Select all ☐

Move selected to Computer Sciences [Move]

[Create New User] [Create New Module]

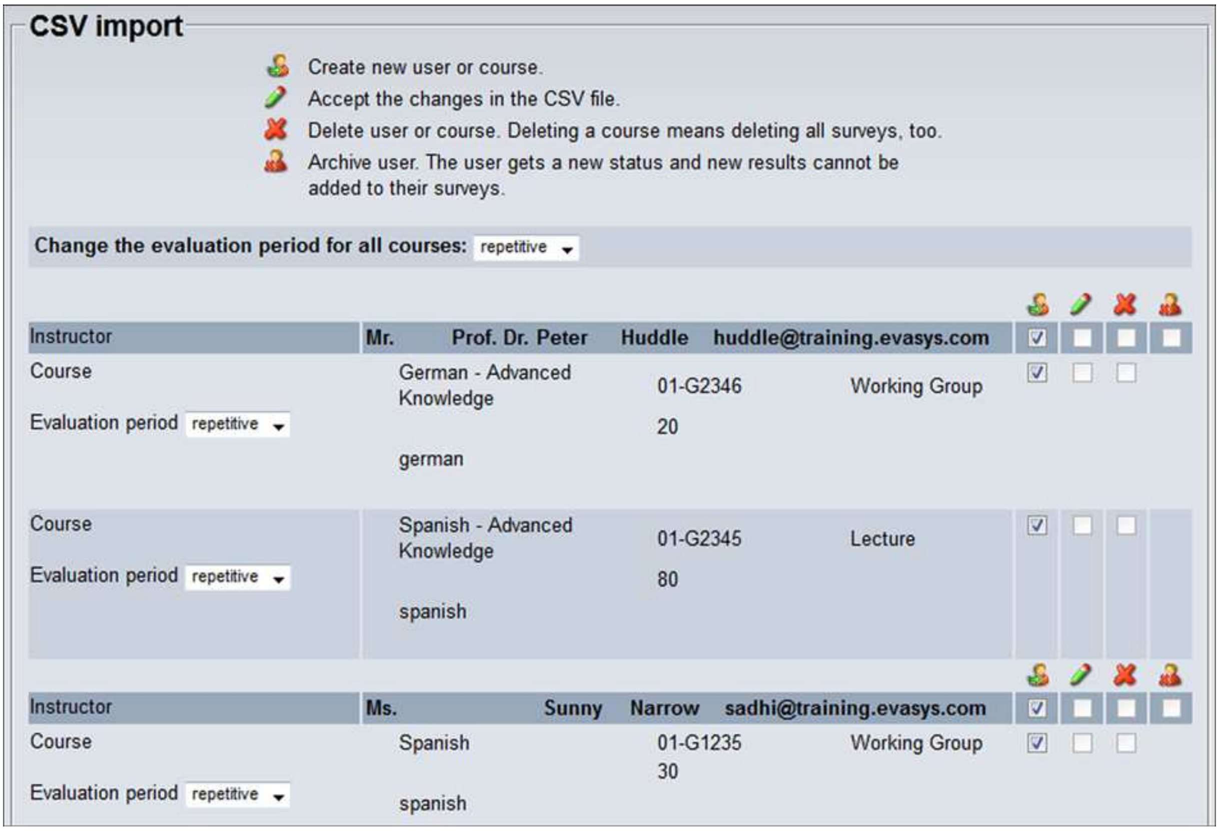
Import Users from CSV File: [Browse...]

☑ CSV file contains a column with information whether the course has secondary instructors

[Import]

Figure 60: CSV Import of Structural Data

After clicking the [Import] button, a synchronisation view will be displayed:


CSV import

Create new user or course.
Accept the changes in the CSV file.
Delete user or course. Deleting a course means deleting all surveys, too.
Archive user. The user gets a new status and new results cannot be added to their surveys.

Change the evaluation period for all courses: repetitive

Instructor | Mr. | Prof. Dr. Peter | Huddle | huddle@training.evasys.com | ☑ ☐ ☐ ☐

Course | German - Advanced Knowledge | 01-G2346 | Working Group | ☑ ☐ ☐
Evaluation period: repetitive | 20
german

Course | Spanish - Advanced Knowledge | 01-G2345 | Lecture | ☑ ☐ ☐
Evaluation period: repetitive | 80
spanish

Instructor | Ms. | Sunny | Narrow | sadhi@training.evasys.com | ☑ ☐ ☐ ☐

Course | Spanish | 01-G1235 | Working Group | ☑ ☐ ☐
30
Evaluation period: repetitive
spanish

Figure 61: CSV Import: Synchronization Overview

When a new CSV import with updated data is made in a survey period, the user can decide how to proceed in the case of doubling or changes:

The user account or course is not in the database and is now added (Default).

✎ The user data have changed, for example the email address or title. The changes are made in the existing user profile. The identity is determined using first and last name combination, since a personal number code is unknown.

Course names are assigned using an ID number. If there is already a course with the same ID number then all the data fields of the CSV file are adopted.

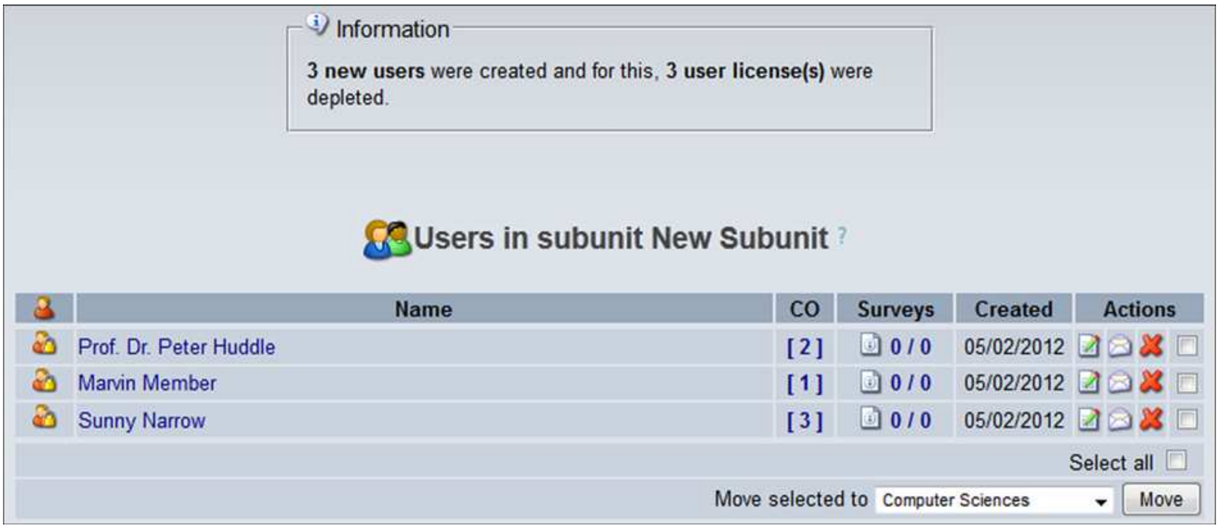
✗ The course or the user account is no longer found in the new CSV file. The orphaned entries in the database are deleted, along with all surveys and their data related to the course or the user account.

👤 The user account is no longer in the new CSV file but should be kept so that data related to the surveys is not deleted and remains in the system. The user account is given the status “archived” and can no longer be reactivated.

The courses contained in the CSV import file must be assigned to an survey period. Select a corresponding period from the selection list above. Here you are also offered the option “Continuous” instead of an individual period.

In addition to the general determination of an survey period for all courses contained in the CSV import files, you can individually assign a deviating period to each course. However, please bear in mind that by selecting the comprehensive definition of periods, all period settings of individual courses will be overwritten.

At the bottom of the list, click on [Continue] to complete the import procedure. The users and courses imported will then appear in the subunit user list. You will then receive a note informing you how many user accounts were created and how many user licenses have been used by the import.



Information

3 new users were created and for this, **3 user license(s)** were depleted.

Users in subunit New Subunit ?

👤	Name	CO	Surveys	Created	Actions
👤	Prof. Dr. Peter Huddle	[2]	0 / 0	05/02/2012	✎ ✉ ✗ ☐
👤	Marvin Member	[1]	0 / 0	05/02/2012	✎ ✉ ✗ ☐
👤	Sunny Narrow	[3]	0 / 0	05/02/2012	✎ ✉ ✗ ☐

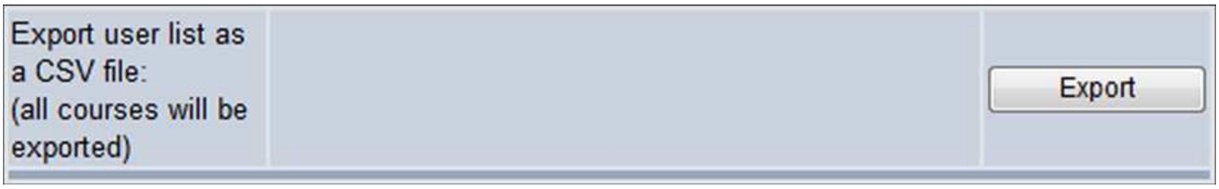
Select all ☐

Move selected to Computer Sciences ▾ Move

Figure 62: CSV Import: Users Imported into the User List

Exporting the User List as a CSV File

Using the “Export User List as CSV File” function, you are able to export a list of current users and their courses from a particular subunit as a CSV file. This could be useful, for example, if an existing user list within a subunit has to be edited and then imported once again. To do this, click on the [Export] button under the user list.



Export user list as a CSV file: (all courses will be exported)

Figure 63: CSV Export: Exporting a User List

2.3.2. XML Import (Structural Data, Surveys and Scheduled Online Surveys)

Information about the XSDs of the XML import (XML schema definition) and further details can be found in the additional manual about the XML import (menu “System Information/Manuals/XML Import Manual“).

2.3.3. Import of Course Participants’ Email Addresses

In online surveys access codes (PSWD) are usually sent directly to the respondents by email.

The import interface (menu “Subunits/Data Import”) prevents the user from having to copy a new list of email addresses into the entry field for every survey before the PSWDs can be sent. The participants’ addresses for all courses are imported into EvaSys by the import interface before the survey is compiled.

Once the PSWDs have been imported, the email addresses are available and no longer have to be entered manually. This applies to both manual dispatching and email by “Scheduled Tasks“.

A CSV file with two columns is created for the import of addresses, with the specification of the course id in the first column and the email address of the participant in the second column.

If someone participates in several courses then the email address also has to appear multiple times in the CSV file.

Example for 2 courses:

MA05Wiw2, person01@example.com

MA05Wiw2, person02@example.com

MA05Wiw2, person03@example.com

MA05Con, person01@example.com

MA05Con, person03@example.com

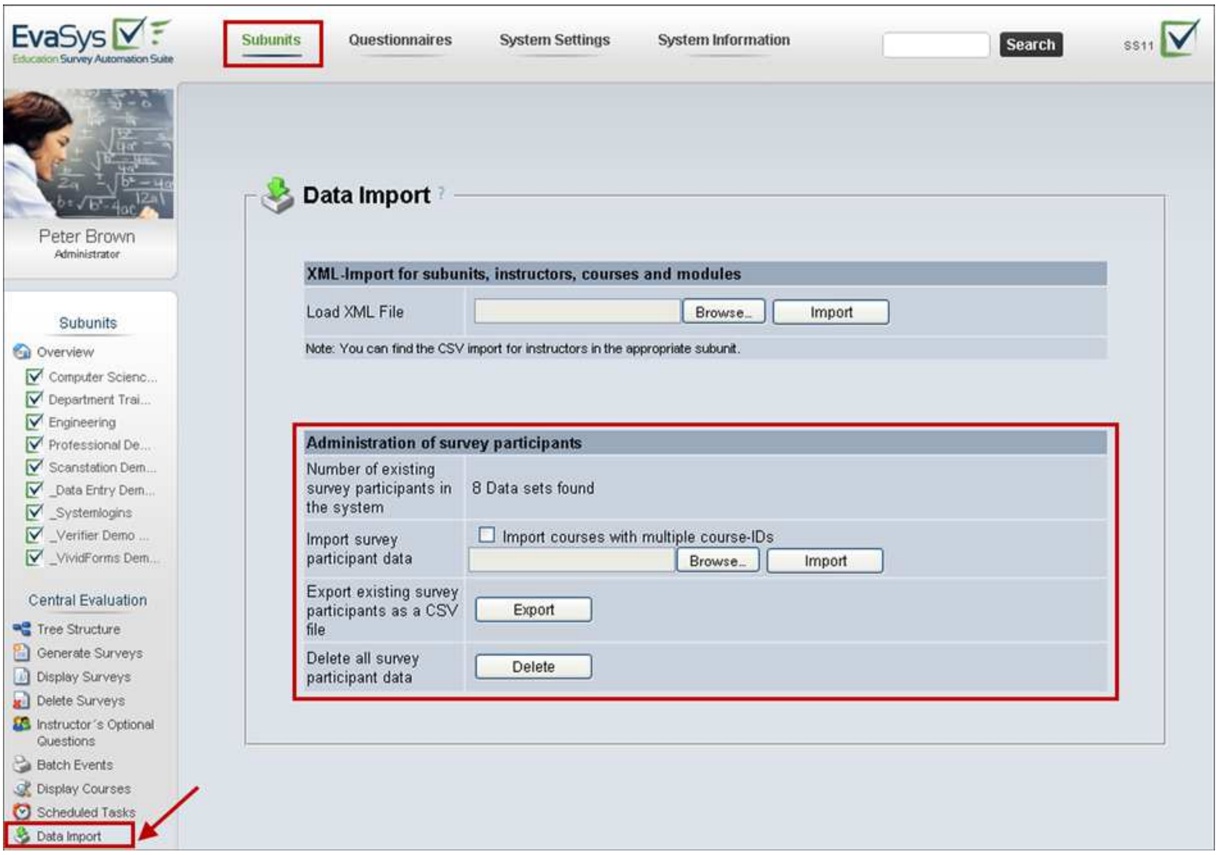
MA05Con, person04@example.com

MA05Con, person05@example.com

CSV files are independent of the operating system and can be generated in Windows, for example with Microsoft Excel. The used separator can be adjusted under “EvaSys Settings/Data Import and Export/Separators CSV import and export“.

For the allocation of the course participants’ email addresses to the respective course, it is essential that the course id is unique system wide. If several courses were to be found in EvaSys with the same id, then the addresses from the CSV file would not be related to any course. However, with the activation of the option “Import courses with multiple course ID” this allocation can be forced. In this case every course found will have the same email addresses attached to it.

To perform a CSV import of participant data, open the menu “Subunit/Data Import”.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Subunits
Overview
Computer Scienc...
Department Trai...
Engineering
Professional De...
Scanstation Dem...
_Data Entry Dem...
_Systemlogins
_Verifier Demo ...
_VividForms Dem...
Central Evaluation
Tree Structure
Generate Surveys
Display Surveys
Delete Surveys
Instructor´s Optional Questions
Batch Events
Display Courses
Scheduled Tasks
Data Import
Data Import
Browse...
Import
Browse...
Import
Export
Delete

XML-Import for subunits, instructors, courses and modules

Load XML File

Note: You can find the CSV import for instructors in the appropriate subunit.

Administration of survey participants

Number of existing survey participants in the system	8 Data sets found
Import survey participant data	☐ Import courses with multiple course-IDs
Export existing survey participants as a CSV file	
Delete all survey participant data	

Figure 64: Menu “Data Import”

The administration of survey participants is in the bottom section of the window. The number of participant data sets currently in the system is shown in the top line of the table. With the button [Browse] in the section “Import survey participant data”, an already prepared CSV file can be selected, and uploaded with the button [Import]. The participants' data is now automatically assigned to the course that is linked to the course ID.

A CSV list of all participant data sets in the system can be opened with the button [Export] in the section “Export existing survey participants as a CSV file”. This can be useful if the list of the current participants should be revised and then imported again.

Existing data sets for a course are expanded but are not overwritten. If they are to be overwritten, then the participant data must be deleted from the system beforehand.

All nexuses between courses and email addresses can be deleted from the system using the [Delete] button. You must then delete the email addresses, particularly if courses with the same id but different participants are kept over several cycles in EvaSys.

2.4. Administration of Questionnaires

Another precondition for creating surveys is of course – along with the organizational structure – the creation of questionnaires. Without questionnaires you can’t interview anyone, therefore, some fundamentals regarding the questionnaires follow in this chapter.

You can create questionnaires using a form designer which is integrated in EvaSys: the VividForms Editor.

To be able to explain the creation of questionnaires with these tool clearly and comprehensively, this manual contains a complete chapter dedicated to VividForms. If you are reading this manual as an introduction to EvaSys and are not presently using it as a reference, it would be helpful for you to create a small questionnaire with the aid of the chapter on VividForms before reading on.

In this chapter you will find out about the questionnaires’ purpose in EvaSys and how to administrate them, however, it does not supply information on how to create them.

2.4.1. Essential Information on the Questionnaire

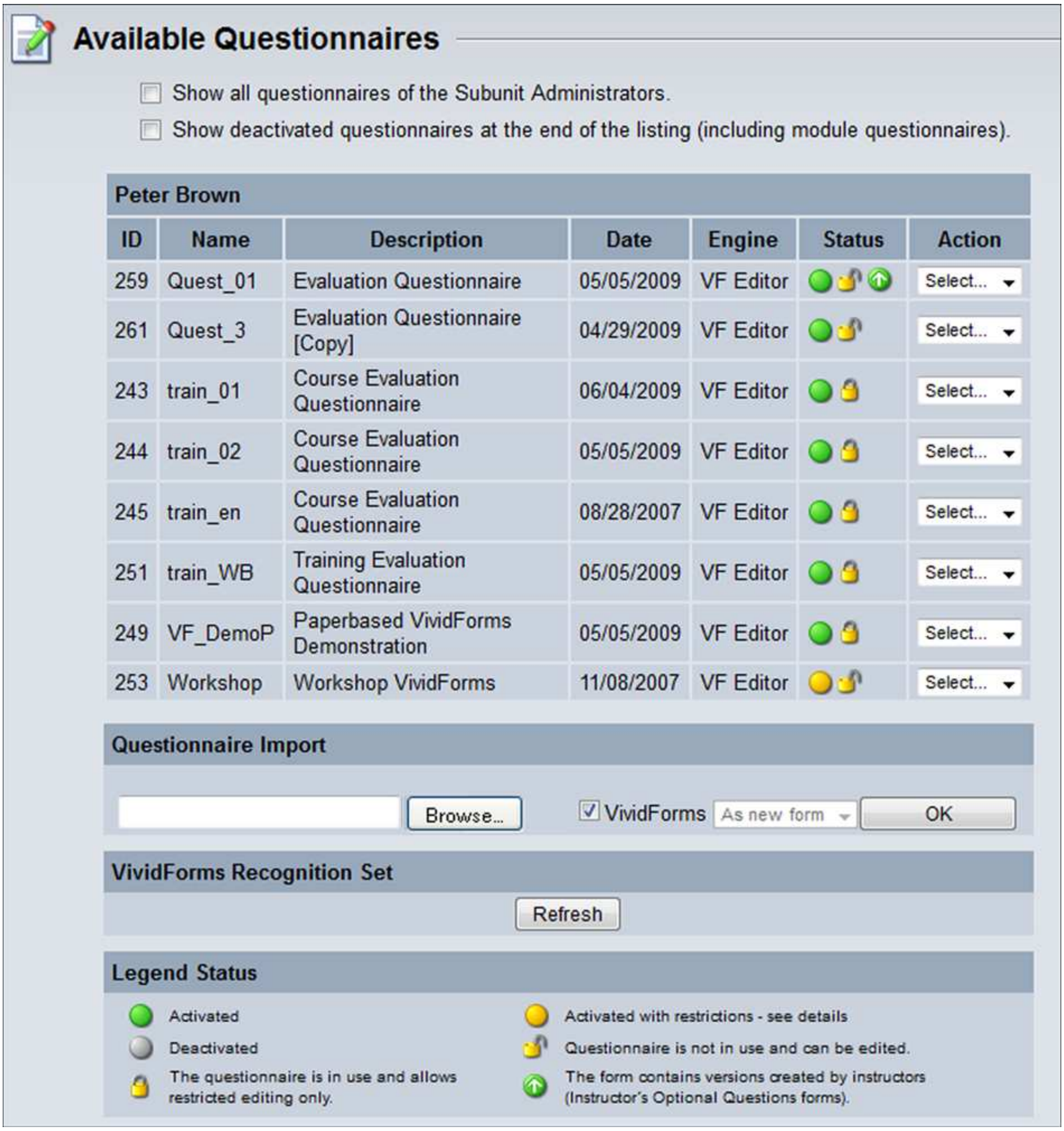
Questionnaires are the basis of every survey. They contain various types of questions and in turn provide different types of information – such as information on the respondent (such as age) and information on the quality of the object in question (such as the instructors’ expertise).

Questionnaires can be created by:

- The administrator. He uses questionnaires for central evaluations and makes them available to active instructors. If a questionnaire is defined as a template it can additionally be modified by active instructors.
- Subunit administrator. He, too, can use them for surveys and make them available to the instructors of his own subunit(s). Also the subunit administrator can create templates (also for the instructors of his own subunit).
- Active instructors. Once they have been granted authorization to access the VividForms Editor resp. Designer they can create questionnaires (however, they cannot create templates).

A questionnaire created in EvaSys serves as a template in order to create any survey with it. If the utilization has not been restricted, it can be used system-wide for as long as you wish, and for all surveys that you consider necessary. A questionnaire is, therefore, media-independent. You can create paper as well as online surveys with it.

2.4.2. Management of Questionnaires and Detailed View



Available Questionnaires

☐ Show all questionnaires of the Subunit Administrators.

☐ Show deactivated questionnaires at the end of the listing (including module questionnaires).

Peter Brown

ID	Name	Description	Date	Engine	Status	Action
259	Quest_01	Evaluation Questionnaire	05/05/2009	VF Editor	🟢 🔓 ⬆	Select...
261	Quest_3	Evaluation Questionnaire [Copy]	04/29/2009	VF Editor	🟢 🔓	Select...
243	train_01	Course Evaluation Questionnaire	06/04/2009	VF Editor	🟢 🔒	Select...
244	train_02	Course Evaluation Questionnaire	05/05/2009	VF Editor	🟢 🔒	Select...
245	train_en	Course Evaluation Questionnaire	08/28/2007	VF Editor	🟢 🔒	Select...
251	train_WB	Training Evaluation Questionnaire	05/05/2009	VF Editor	🟢 🔒	Select...
249	VF_DemoP	Paperbased VividForms Demonstration	05/05/2009	VF Editor	🟢 🔒	Select...
253	Workshop	Workshop VividForms	11/08/2007	VF Editor	🟡 🔓	Select...

Questionnaire Import

VividForms Recognition Set

Legend Status

🟢	Activated	🟡	Activated with restrictions - see details
⚪	Deactivated	🔓	Questionnaire is not in use and can be edited.
🔒	The questionnaire is in use and allows restricted editing only.	⬆	The form contains versions created by instructors (Instructor's Optional Questions forms).

Figure 65: Menu “Questionnaires”: List of all Questionnaires

The list of questionnaires is located in the main menu “Questionnaires”, there in the submenu “Questionnaire List”.

First you will see a list of all questionnaires. The abbreviated name (5 to 10 characters), the description and the status of activation are depicted.

The Administrator can, if required, allow all the questionnaires of the Subunit Administrators to be displayed. For this, the option “Show all questionnaires of the Subunit Administrators” is activated.

Deactivated questionnaires can be displayed by activating the option “Show deactivated questionnaires at the end of the listing (including module questionnaires)”.

Activated forms are available for creating new surveys, while deactivated ones are not.

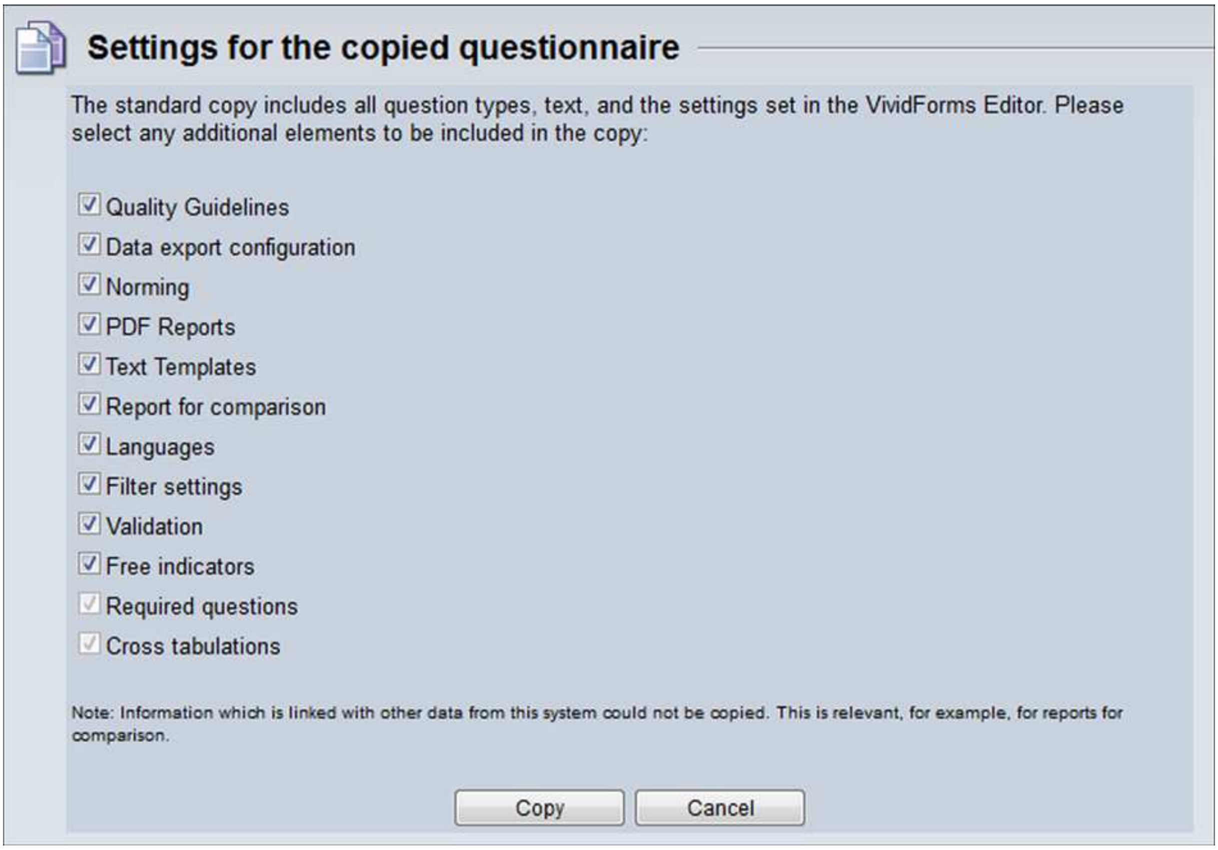
In the column “Engine” you can see an information if the form is a VividForms Editor, a VividForms Designer, a VividForms Plus or a TeleForm form.

In the column “Action”, a questionnaire can be edited, copied and deleted, depending on the Engine. If the option “Edit” is selected, the editor opens to revise the questionnaire.

Note:

A questionnaire can only be edited if no surveys have yet been compiled with it. The questionnaire is automatically protected from changes when surveys are created for it. This occurs in order to guarantee the processing of forms which are already in circulation. No changes to layout or content can be undertaken on protected forms.

Protected questionnaires which should be changed for future surveys can therefore be copied. When copying a questionnaire, the user can decide which features of the questionnaire, beyond the standard features (questions, free texts, formatting, etc.) should be copied:



Settings for the copied questionnaire

The standard copy includes all question types, text, and the settings set in the VividForms Editor. Please select any additional elements to be included in the copy:

☑ Quality Guidelines
☑ Data export configuration
☑ Norming
☑ PDF Reports
☑ Text Templates
☑ Report for comparison
☑ Languages
☑ Filter settings
☑ Validation
☑ Free indicators
☑ Required questions
☑ Cross tabulations

Note: Information which is linked with other data from this system could not be copied. This is relevant, for example, for reports for comparison.

Figure 66: Copying a Questionnaire

After clicking the button [Copy] the questionnaire list will show a copy of the questionnaire. The description text of this questionnaire is marked by the annotation “[Copy]”, the abbreviated name is counted up. This copy can then be edited in the VividForms Editor as it has not yet been used in a survey.

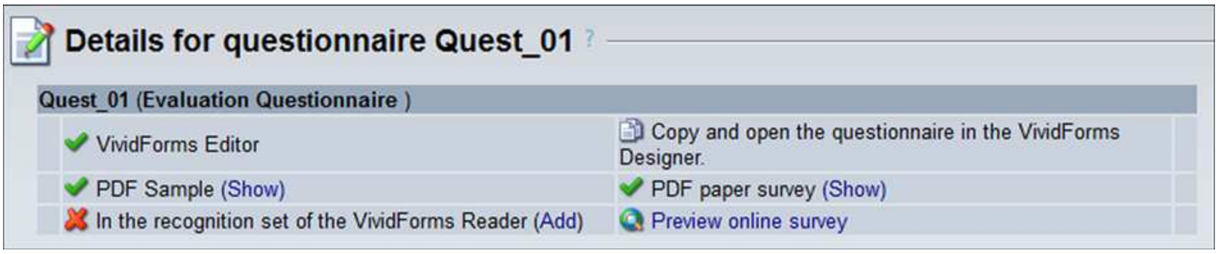
The questionnaire, along with all the collected survey data, can be deleted with the option “Delete” in the column “Action”. This means that the questionnaire and the survey results will be permanently deleted from the database.

Note:
Please note, that by deleting the questionnaire, all surveys and their results will also be deleted. For this reason, deactivating a questionnaire instead of deleting it is recommended.

Before the questionnaire is permanently deleted, the delete process must be confirmed by the user again. In this case, EvaSys informs the user how many surveys will also be deleted. The delete procedure can be cancelled at any time by clicking the button [Cancel]. By clicking the button [OK], the questionnaires and all related surveys and their results will be deleted.

Further details about a questionnaire can be opened when the option “Details” is selected in the column “Action” in the questionnaire table.

This window is subdivided into two sections. In the top part you can, among other things, open the PDF files.



Details for questionnaire Quest_01

Quest_01 (Evaluation Questionnaire)

✓ VividForms Editor	Copy and open the questionnaire in the VividForms Designer.
✓ PDF Sample (Show)	✓ PDF paper survey (Show)
✗ In the recognition set of the VividForms Reader (Add)	Preview online survey

Figure 67: Details of a Questionnaire

With which Engine the questionnaire was created (VividForms Editor, VividForms Designer) can be seen on the top left.

A sample questionnaire can be opened with the option “PDF Sample”. Click the option “Show” for this.

Note:
The PDF sample is for viewing purposes only and cannot be used for surveys!

In the Recognition Set of the VividForms Reader

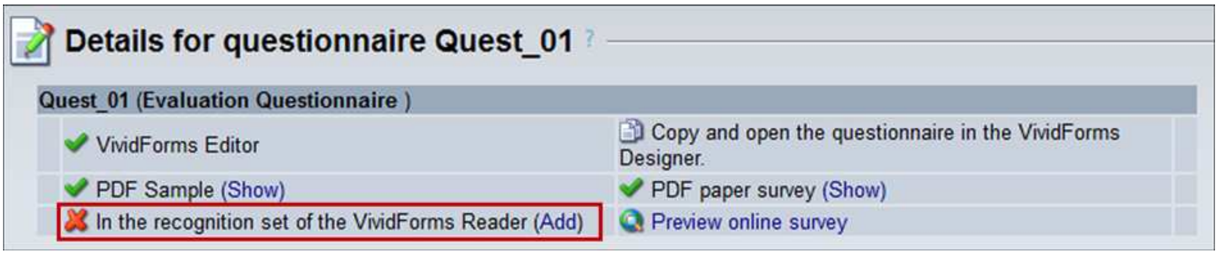
The VividForms Reader must “know” the forms that you are using, so it knows where to look for answer box areas. Only with the aid of this information can it evaluate the graphics of scanned questionnaires. In this way it checks during the evaluation that in those areas where crosses could lie, areas are actually blackened.

For this reason, the VividForms Reader has at its disposal a file in XML format for every questionnaire, which defines this form (definition file; XML is a description language). The pool of these definition files is know as “Recognition Set“.

However, EvaSys first makes such a definition file available to the VividForms reader, when you have created the first survey with a new questionnaire (regardless of whether a paper or online survey). Only then at this moment is the VividForms Reader informed of your form and the answer box areas on it. This means precisely, that the pool of XML files available to the VividForms Reader is only then complemented with the new XML file. This then defines your new form. (With each new creation of a survey, this XML file is refreshed).

As soon as you create a survey for a VividForms questionnaire, a corresponding form definition file in XML format is added to the recognition set of the VividForms Reader. The questionnaires scanned in are evaluated by means of these form definition files. This means, that the VividForms Reader knows from these form definition files, which parts of the questionnaire could contain crosses.

In the following graphic you can see a questionnaire, for which a survey has not yet been created. It is as such, not in the recognition set of the VividForms Reader (red cross).

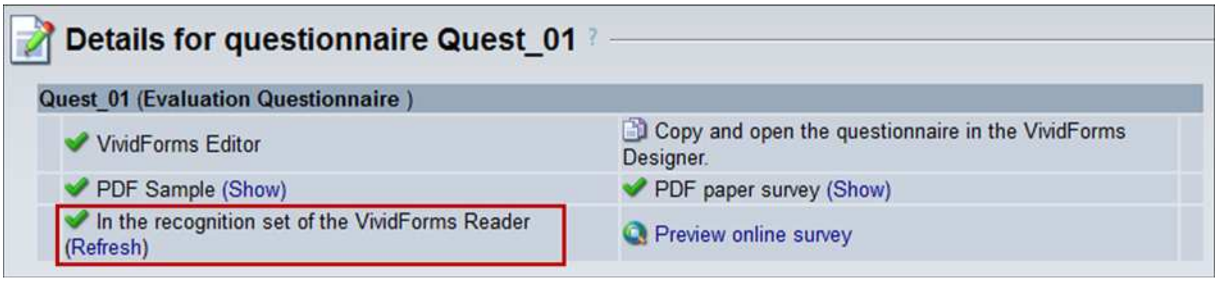

Details for questionnaire Quest_01

Quest_01 (Evaluation Questionnaire)

✓ VividForms Editor
Copy and open the questionnaire in the VividForms Designer.
✓ PDF Sample (Show)
✓ PDF paper survey (Show)
✗ In the recognition set of the VividForms Reader (Add)
Preview online survey

Figure 68: Questionnaire Details: Recognition Set of the VividForms Reader

Now if you create a survey with this questionnaire or click on [Add], the form definition file is created and added to the recognition set of the VividForms reader:


Details for questionnaire Quest_01

Quest_01 (Evaluation Questionnaire)

✓ VividForms Editor
Copy and open the questionnaire in the VividForms Designer.
✓ PDF Sample (Show)
✓ PDF paper survey (Show)
✓ In the recognition set of the VividForms Reader (Refresh)
Preview online survey

Figure 69: Questionnaire Details: Questionnaire is in the Recognition Set of the VividForms Reader

When moving EvaSys, for example to another disc drive or another computer, it can become necessary to refresh the recognition set of the VividForms Reader. (To be precise, this becomes a necessity as soon as the directory “forms”, which contains the recognition set, is moved. By default this directory is in …\Program Files\Electric

Paper\VividForms.) The reason for this is that the XML files contain file paths to servers which, after moving, may no longer be correct.

For this reason you have the possibility of reloading the form definition files created, by clicking on [Refresh] in the survey details under “In the recognition set of the VividForms Reader” (see figure above).

You also have the possibility of refreshing the entire recognition set. To do this, click in the questionnaire list in the area “VividForms Recognition Set” the [Refresh] button. By doing so, all existing questionnaires in the recognition set of the VividForms reader will be refreshed.

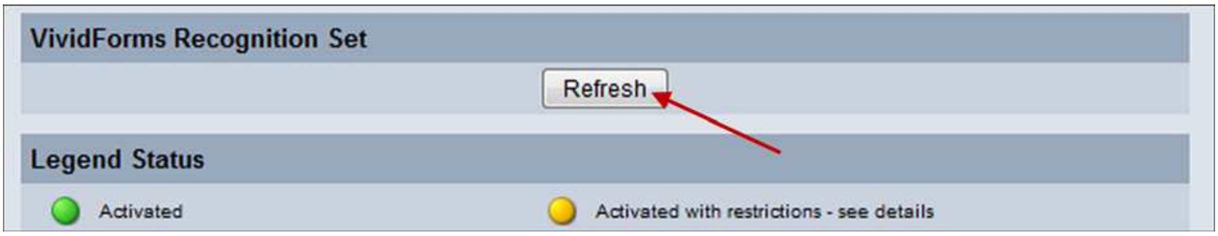

VividForms Recognition Set
Refresh
Legend Status
Activated
Activated with restrictions - see details

Figure 70: Refreshing the Recognition Set of the VividForms Reader in the List of Questionaires

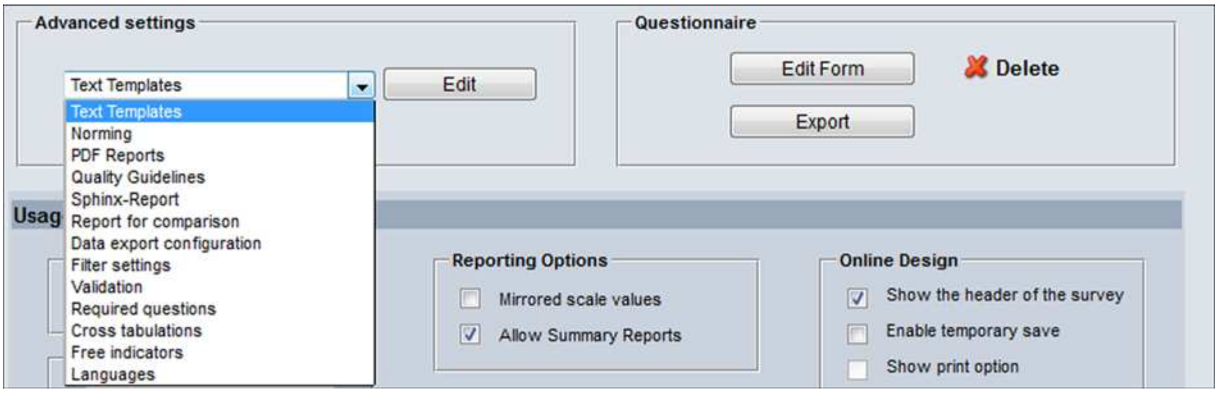
Note:
Should you have any further questions regarding refreshing the recognition set of the VividForms Reader, please contact our support department, as this function is above all a feature for technicians in case of moving EvaSys.

The option “Copy and open the questionnaire in the VividForms Designer” offers you the opportunity to reorganize your existing VividForms Editor questionnaires in the designer. In order to edit your questionnaires in VividForms Designer, you require a corresponding license. For further information, please do not hesitate to contact us.

You can open a cover sheet questionnaire with the option “PDF paper survey”. As this already has a barcode, it can be printed out and used in a corresponding cover sheet survey. To open the questionnaire, click the option “Show”.

The preview of the questionnaire in an online survey can be opened with the option “Preview online survey”.

Below the information about the PDF files and the recognition set you can see a drop-down list with several options, moreover two buttons and the [Delete] function.


Advanced settings
Text Templates
Edit
Text Templates
Norming
PDF Reports
Quality Guidelines
Sphinx-Report
Report for comparison
Data export configuration
Filter settings
Validation
Required questions
Cross tabulations
Free indicators
Languages
Usag
Questionnaire
Edit Form
Delete
Export
Reporting Options
Online Design

☐ Mirrored scale values
☑ Allow Summary Reports

☑ Show the header of the survey
☐ Enable temporary save
☐ Show print option

Figure 71: Questionnaire Details: Advanced Settings

The options in the section “Advanced Settings” have the following meaning (for all options you will first have to select the option from the drop-down list and then click the button [Edit]):

Text Templates

You can define custom email texts or texts for PDF reports in order to incorporate elements specific to a given questionnaire in reports or emails. You can also define email attachments for the questionnaire.

Norming

This is where the norm data are defined for the questionnaire. In addition sub norms can be selected for, for example, subunit or course type level as well as displaying message boxes for interpretation.

PDF Reports

Here you can define the default PDF report with which the questionnaire will be evaluated. Furthermore subvariations of the standard report can be created by suppressing parts of the questionnaire for a given feedback recipient. Additionally subgroup reports for single choice, multiple choice or matrix questions can be created.

Quality Guidelines

This is where you can set the quality standards for the questionnaire. These standards are found again when using the QM views. QM views can, for example, be given to deans at the end of a survey period so that they have a clear overview of the results of their department. The quality guidelines should give an impression of the quality of a course so that, if necessary, a detailed report can be consulted.

Sphinx Report

Here you can link a report template for Sphinx (in HYP file format) with the questionnaire. This report template will later – during the creation of Sphinx exports – be integrated into the generated ZIP file so that when opening the evaluation in Sphinx, the report template is automatically used to create the report.

Report for Comparison

Here you can define the number of previous periods and comparative reports of the report creator which should be compared with the current PDF report.

Data Export Configuration

You can rename the variables and allocate new numerical values for the export of the questionnaire.

Filter Settings

This is where you define whether certain answers will cause other questions to be suppressed. In an online survey suppressed questions will not appear or will be inactive. For paper surveys filter settings apply after processing, i.e. retrospectively. In this way, the filters in the paper surveys have an effect on the report.

Validation

By defining validations you can test entries to open questions and matrix fields in online surveys with value ranges and regular expressions before a survey participant can send the questionnaire.

Required questions

Those questions of online surveys for which an answer is compulsory can be defined here.

Cross Tabulations

The cross tabulations shown here will appear in the PDF report.

Free Indicators

It is possible to define indicators freely so that questions of different question groups can also serve as a basis for calculating an indicator. In this way, the elements of an indicator can be freely allocated across the questionnaire. These so-called “free indicators” can be stored separately for each questionnaire and later displayed in the PDF report instead of the traditional indicators.

Languages

Different languages can be stored for questionnaires in online surveys, so that online survey participants can select questionnaires in different languages. With paper questionnaires you must create several questionnaires and surveys, whose results you can combine later in the Report Creator.

In the section “Questionnaire” the following options are available:

Edit form

Opens the questionnaire to edit. The Editor or the Designer can be opened in this way, depending on the Engine. With VividForms Plus questionnaires, the window to the questionnaire settings is opened. Here you can change the wording of the questions and formats, as well as making analysis specifications for indicators.

Export

Creates a file from the questionnaire which can be saved and imported into a different EvaSys system.

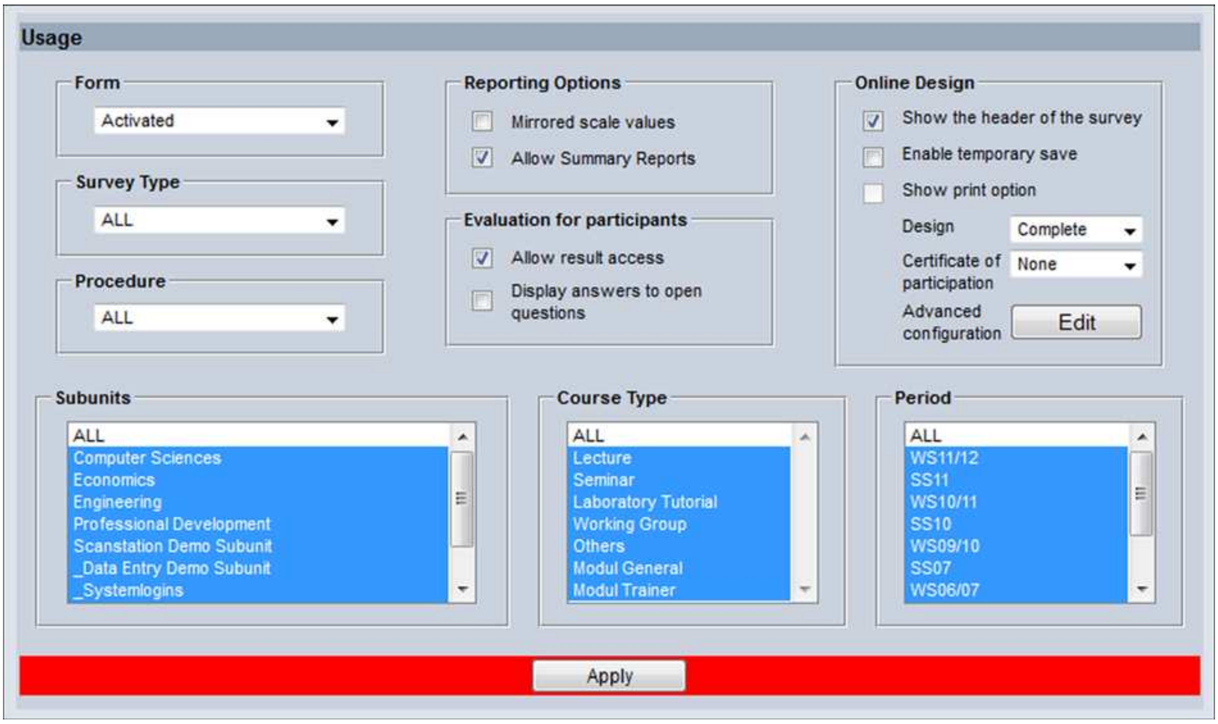
Delete form

Deletes the questionnaire and the survey data from the database. Therefore: Take care with ongoing surveys.

Note:
You will not be able to then create report documents for surveys carried out with this questionnaire. You will be able to access the raw data though.

In the section “**Usage**” you can define the use of the questionnaire.

Note:
All changes performed in the section “Usage” must be saved at the end of the page with the button [Apply].



Usage

Form: Activated

Survey Type: ALL

Procedure: ALL

Reporting Options
☐ Mirrored scale values
☑ Allow Summary Reports

Evaluation for participants
☑ Allow result access
☐ Display answers to open questions

Online Design
☑ Show the header of the survey
☐ Enable temporary save
☐ Show print option
Design: Complete
Certificate of participation: None
Advanced configuration: Edit

Subunits
ALL
Computer Sciences
Economics
Engineering
Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins

Course Type
ALL
Lecture
Seminar
Laboratory Tutorial
Working Group
Others
Modul General
Modul Trainer

Period
ALL
WS11/12
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07

Figure 72: Questionnaire Details: Usage

Form

Activated or deactivated. The latter is the “soft solution”. Existing surveys can still be analyzed and displayed but you will not be able to create any new surveys.

Survey Type

Either ALL, or Paper Surveys or only Online Surveys.

Procedure

Select either ALL (i.e. Central Evaluation and activated instructor accounts), Central Evaluation or activated instructor accounts (decentral).

Reporting Options

- Mirrored scale values

  The option “mirrored scale values” allows the mirroring of the raw data which is linked to a survey. This has an effect on the calculation of the average and the median.

  The standard scale in EvaSys goes from 1 to n from left to right. Mirrored values will have a highest option on the left. All raw data, including averages and medians, will be affected by this.

Note:
The mirrored scale values only affect the raw data, the averages and the medians. That means that they for example do not affect the calculation of the quality guidelines. Thus you have to define the quality guidelines on the basis of the internal scale values. Please remember that the standard internal scale in EvaSys goes from 1 to n from left to right.

- Allow Summary Reports

  Defines whether summary reports (dean of studies report, dean report) can be created for this questionnaire.

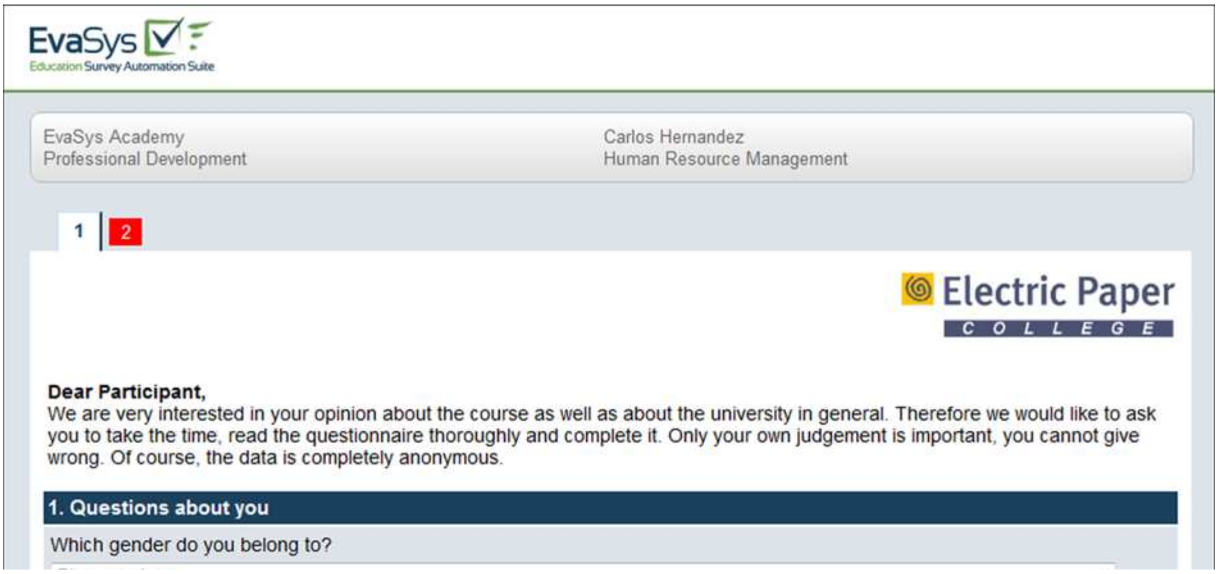
Evaluation for Participants

For online surveys you can grant the participants access to the results of the survey. After the survey has been closed, participants can use their PSWD to have a look at the HTML report.

You can decide if answers to open questions are to be displayed or not.

Online-Design

Here you can decide whether in online surveys, the survey header should be displayed. Should you display it, the survey appears as follows:



EvaSys Academy
Professional Development

Carlos Hernandez
Human Resource Management

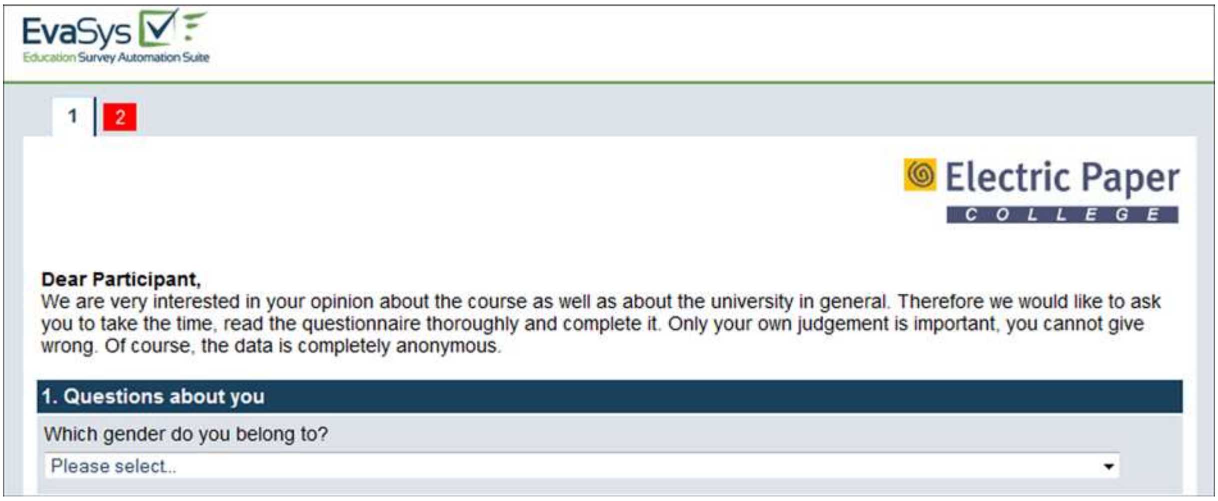
Dear Participant,
We are very interested in your opinion about the course as well as about the university in general. Therefore we would like to ask you to take the time, read the questionnaire thoroughly and complete it. Only your own judgement is important, you cannot give wrong. Of course, the data is completely anonymous.

1. Questions about you

Which gender do you belong to?

Figure 73: Online Survey with an Activated Survey Header

Should you decide to display it not, the dark blue header with the information about the course disappears and the survey appears as follows:



Dear Participant,
We are very interested in your opinion about the course as well as about the university in general. Therefore we would like to ask you to take the time, read the questionnaire thoroughly and complete it. Only your own judgement is important, you cannot give wrong. Of course, the data is completely anonymous.

1. Questions about you

Which gender do you belong to?

Please select..

Figure 74: Online Survey with a Deactivated Survey Header

You can also choose to enable the temporary save and print options.

Design

Here, you can define whether the questionnaire is displayed in online surveys as one page (i.e. to scroll down; option “Complete”), to browse (option “Per Chapter”) or according to the page display in the VividForms Editor resp. Designer (option “Per Page”). With the option “Per Chapter” each question group is displayed in online surveys as one page.

Note:
For online surveys, the display mode “per chapter” has been set as default.

Certificate of Participation

If the survey participants need to receive a certificate of participation, this option can be activated. The options allow the display of a PDF document, the submission of an email (only available if the PSWDs were sent by email), or both. The certificates will be generated as soon as a participant has completed a survey.

The text of the email can be edited via the menu “Text Templates”, option “E-Mail: Certificate of participation for online surveys”. If you want to display a PDF certificate in the browser directly after the participants have submitted the questionnaire you first have to take the following steps:

- Create a PDF template resp. choose the sample template “Certificate for participation in online surveys” from the menu “System Information/Sample files”
- Upload the PDF template in the menu “Documents”, area “PDF templates”

Attach the PDF template to the text template “PDF: Certificate for participation in online surveys” in the menu “System Settings/Text Templates” (global) resp. in the details of a questionnaire, menu “Advanced Settings/Text Templates” (per questionnaire).

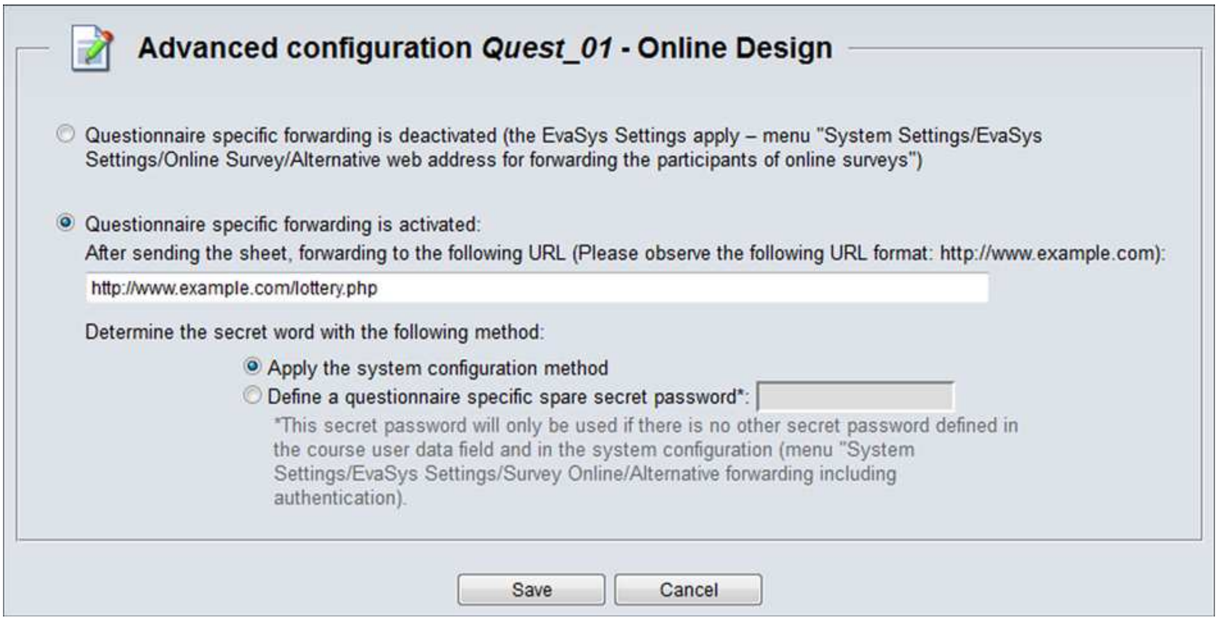
In case of using online surveys you have the possibility to permit your participants, after closing an online survey, to look at the results report with their PSWD (HTML-Report). You can decide if you permit the access to open questions too.

Advanced Configuration

Participants of online surveys, who submit their survey, can be directed to a specific internet site. Here, an optional password can be conveyed which ensures that the page to be accessed can only be reached by those people who have actually taken part in an online survey. In this way, incentives to increase response rates, such as raffling prizes or the like, can be implemented without the risk of abuse from unauthorized people.

To activate questionnaire specific forwarding, click on the [Edit] button. The window for questionnaire specific forwarding for online surveys opens automatically. Here you can:

- deactivate the questionnaire specific forwarding. In this case, the setting in the menu “System Settings/EvaSys Settings/ Survey Online/Alternative forwarding for online surveys“ is applicable.
- activate the questionnaire controlled specific forwarding and enter a questionnaire specific address (please observe the format of the URL: http://www.example.com). As a password, you can either define your own secret word or use a predefined one, which can be defined in the “System Settings” and which consists of information from the course, e.g. a combination of the user data field and the survey ID (“System Settings/ EvaSys Settings/Survey Online/Alternative forwarding including authentication“).



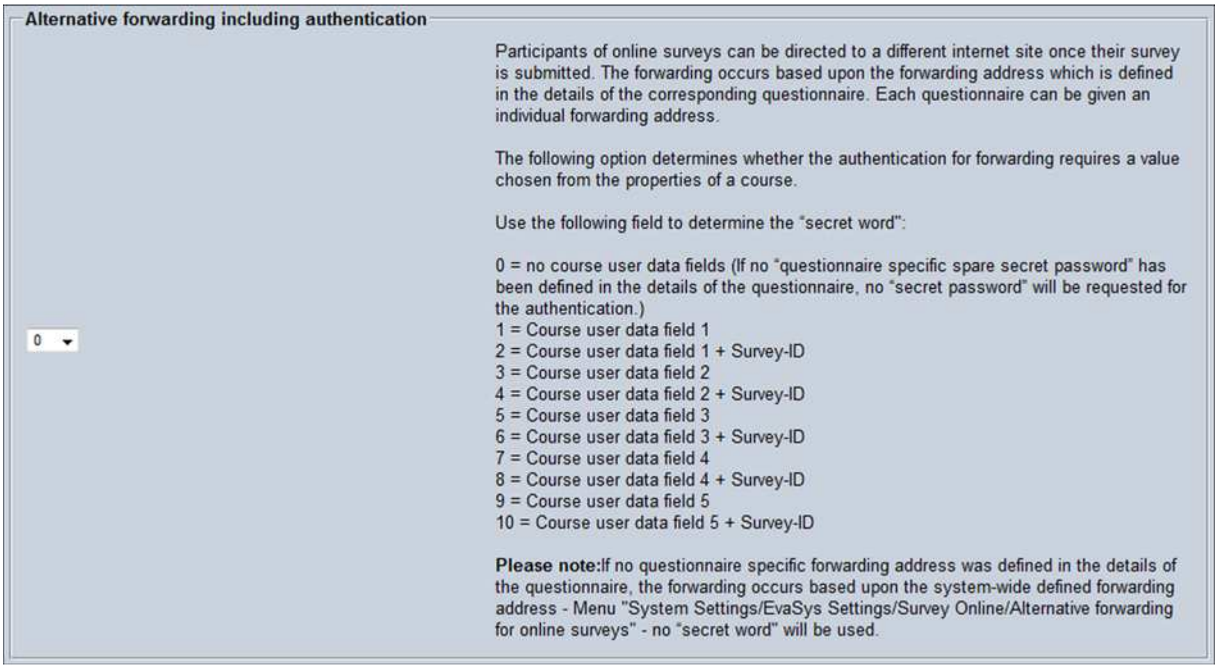
Advanced configuration *Quest_01* - Online Design

○ Questionnaire specific forwarding is deactivated (the EvaSys Settings apply – menu "System Settings/EvaSys Settings/Online Survey/Alternative web address for forwarding the participants of online surveys")

● Questionnaire specific forwarding is activated:
After sending the sheet, forwarding to the following URL (Please observe the following URL format: http://www.example.com):
http://www.example.com/lottery.php

Determine the secret word with the following method:
● Apply the system configuration method
○ Define a questionnaire specific spare secret password*:
*This secret password will only be used if there is no other secret password defined in the course user data field and in the system configuration (menu "System Settings/EvaSys Settings/Survey Online/Alternative forwarding including authentication).

Figure 75: Define Forwarding



Alternative forwarding including authentication

Participants of online surveys can be directed to a different internet site once their survey is submitted. The forwarding occurs based upon the forwarding address which is defined in the details of the corresponding questionnaire. Each questionnaire can be given an individual forwarding address.

The following option determines whether the authentication for forwarding requires a value chosen from the properties of a course.

Use the following field to determine the "secret word":

0 = no course user data fields (If no "questionnaire specific spare secret password" has been defined in the details of the questionnaire, no "secret password" will be requested for the authentication.)
1 = Course user data field 1
2 = Course user data field 1 + Survey-ID
3 = Course user data field 2
4 = Course user data field 2 + Survey-ID
5 = Course user data field 3
6 = Course user data field 3 + Survey-ID
7 = Course user data field 4
8 = Course user data field 4 + Survey-ID
9 = Course user data field 5
10 = Course user data field 5 + Survey-ID

Please note: If no questionnaire specific forwarding address was defined in the details of the questionnaire, the forwarding occurs based upon the system-wide defined forwarding address - Menu "System Settings/EvaSys Settings/Survey Online/Alternative forwarding for online surveys" - no "secret word" will be used.

Figure 76: Define a Password in the System Settings

Subunits

Select a subunit for which the questionnaire should be available.

Course Type

Select one or more different types of course for which the questionnaire is permitted.

Period

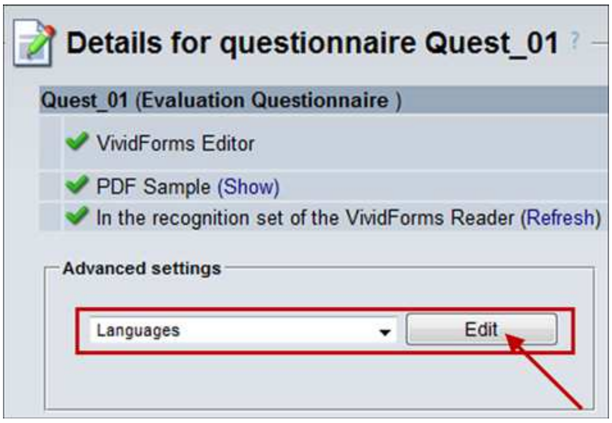
Give the periods for which the questionnaire can be used.

2.4.3. Multiple Languages

For online surveys, you can assign several languages to one form in EvaSys. By this means EvaSys allows you to create forms, conduct surveys and present results in reports in a number of languages.

A questionnaire already integrated into EvaSys can be adapted to a new language any time you like. The language of the first version is automatically defined as the main language.

To define a language select the option “Languages” from the drop-down list in the “Details” view of a questionnaire.



Details for questionnaire Quest_01

Quest_01 (Evaluation Questionnaire)

✓ VividForms Editor

✓ PDF Sample (Show)

✓ In the recognition set of the VividForms Reader (Refresh)

Advanced settings

Languages

Figure 77: Questionnaire Details: Add Languages to a Questionnaire

For the main language and any subsequent language you can make the following settings:

- Name of the language

  Enter the name of the language.

- Language picture

  Here you can specify the logo of a language set, that can be used for switching the language in online surveys. You should choose the size of the logo in such a way, that the display is fitting (i.e. for flags, 40x27 pixels).

  Either click on [Upload the file] and then on [Browse] and choose a graphic file. The file formats JPG, GIF and PNG are supported.

Or you use the logos supplied. Here, EvaSys offers you the country flags of the world to choose from. Click on [Please choose a flag] and then on the button [Choose]. In the window that then opens, you can choose the flag that fits the language.

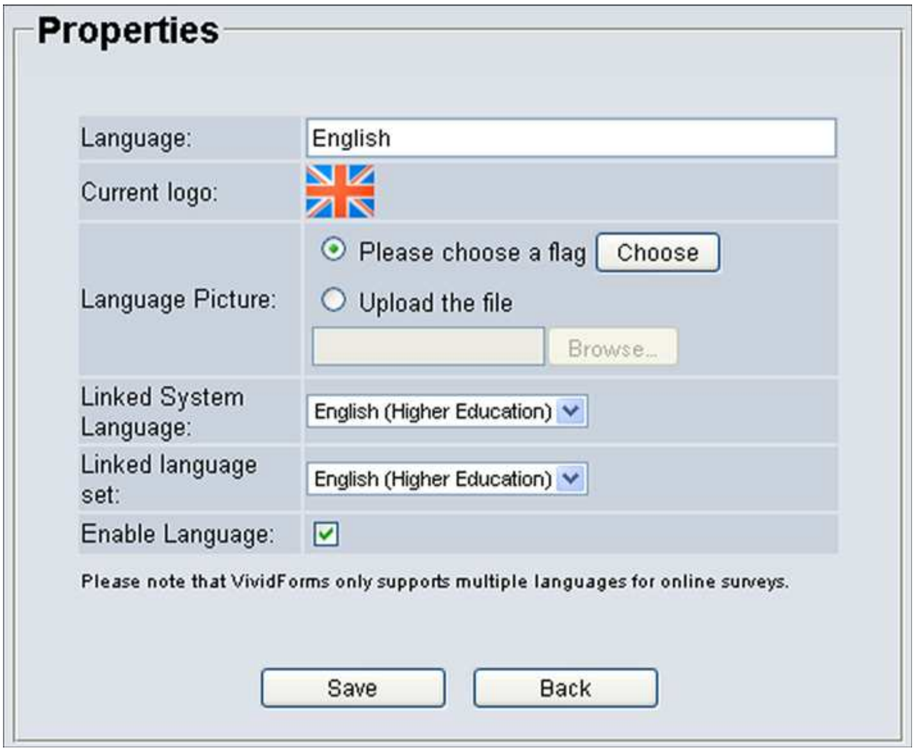
- Linked system language

  The language set selected here is used for the system dialogue for online surveys. Language sets are defined in “System Settings/EvaSys Settings/Language sets”.

- Use

  Activate/Deactivate the language.

Then click [Save] to save the main language. You can add a new language with the button [Add language]. First enter, as described above, the details of the language, and save these entries. Afterwards you can translate your questionnaire.



Properties

Language: English

Current logo:

Language Picture: ● Please choose a flag ○ Upload the file

Linked System Language: English (Higher Education)

Linked language set: English (Higher Education)

Enable Language: ☑

Please note that VividForms only supports multiple languages for online surveys.

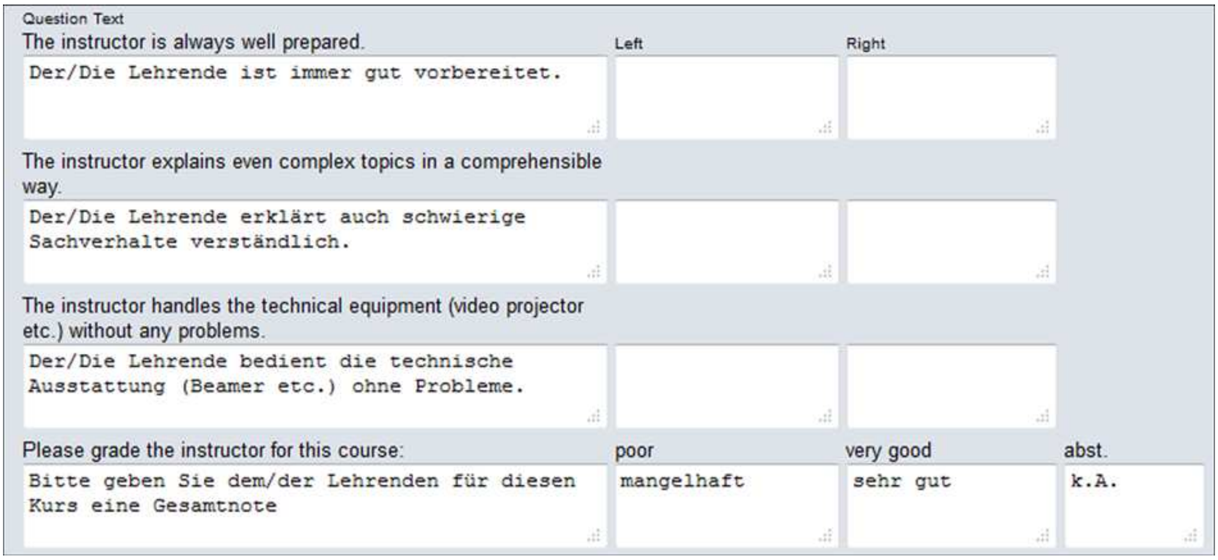
Figure 78: Languages: Define Attributes

Translate Questionnaire

After a click on [Save] you will see the complete contents of the questionnaire, i.e. question groups, question texts, pole labels and answer options.

On top of the entry boxes the texts of the main language are displayed; in the text boxes you can now enter the translations (see picture above).

The translations are saved automatically by EvaSys. Under the button [Save] at the end of the page you can see at any time, when your translation was last automatically saved by EvaSys.



Question Text			
The instructor is always well prepared.	Left	Right	
Der/Die Lehrende ist immer gut vorbereitet.			
The instructor explains even complex topics in a comprehensible way.			
Der/Die Lehrende erklärt auch schwierige Sachverhalte verständlich.			
The instructor handles the technical equipment (video projector etc.) without any problems.			
Der/Die Lehrende bedient die technische Ausstattung (Beamer etc.) ohne Probleme.			
Please grade the instructor for this course:	poor	very good	abst.
Bitte geben Sie dem/der Lehrenden für diesen Kurs eine Gesamtnote	mangelhaft	sehr gut	k.A.

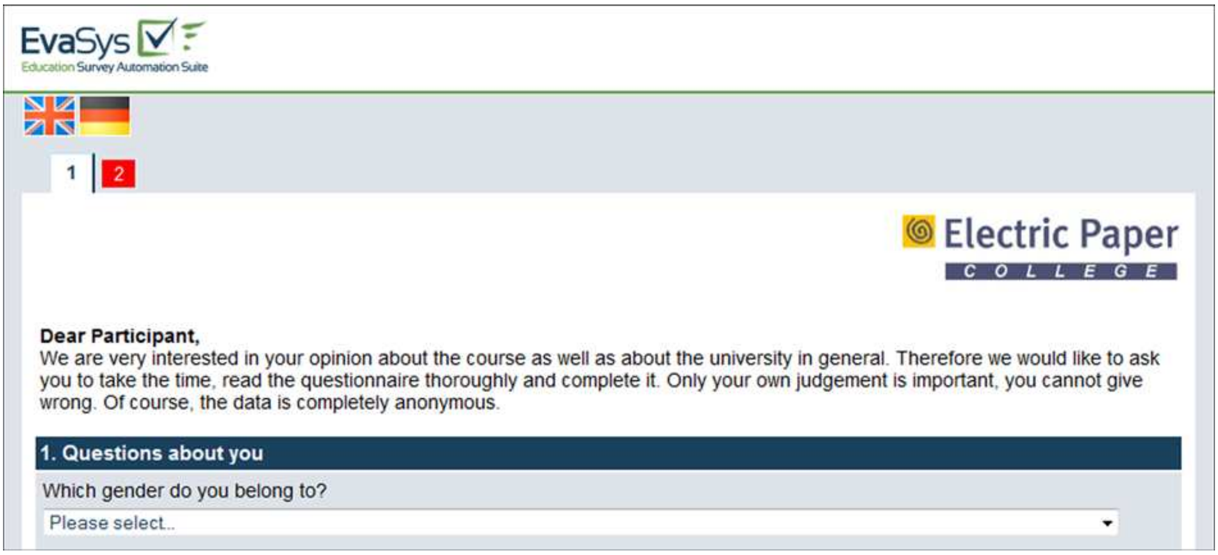
Figure 79: Languages: DefiningTexts

You can also make changes in language texts and in the language attributes at a later point in time by selecting a language in the drop-down "Current Language", editing the text and then saving the changes.

Language Options in Online Surveys

You can display a questionnaire's translated languages in the HTML online survey. The questionnaire always appears in the main language after authentification through the PSWD procedure. Beneath the header data you will see the logos that have been defined as questionnaire languages. By clicking the logo you change languages. There is also a drop-down menu with the name of each language.

After clicking the logo or selecting the language in the drop-down menu, the survey is displayed in the desired language. A further authentication is not necessary.



Dear Participant,
We are very interested in your opinion about the course as well as about the university in general. Therefore we would like to ask you to take the time, read the questionnaire thoroughly and complete it. Only your own judgement is important, you cannot give wrong. Of course, the data is completely anonymous.

1. Questions about you

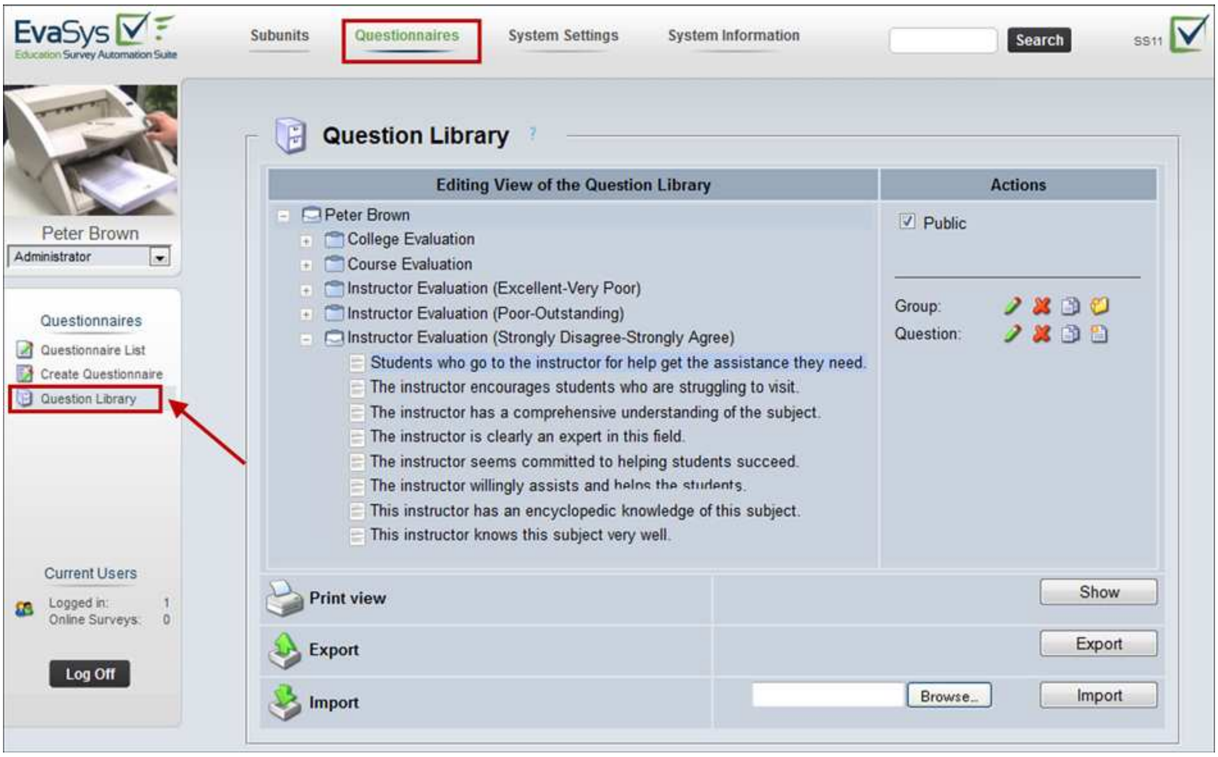
Which gender do you belong to?

Please select...

Figure 80: Languages: Selection in Online Survey

2.4.4. Question Library

The question library is centrally administered in the menu “Questionnaires/Question Library”. Different editing functions as well as functions for import and export are available here. Also, a print preview of all question groups and questions can be accessed.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Questionnaires
Questionnaire List
Create Questionnaire
Question Library
Current Users
Logged in: 1
Online Surveys: 0
Log Off
Question Library
Editing View of the Question Library
Actions
Public
Group:
Question:
Print view
Show
Export
Export
Import
Browse...
Import

- Peter Brown
  - College Evaluation
  - Course Evaluation
  - Instructor Evaluation (Excellent-Very Poor)
  - Instructor Evaluation (Poor-Outstanding)
  - Instructor Evaluation (Strongly Disagree-Strongly Agree)
    - Students who go to the instructor for help get the assistance they need.
    - The instructor encourages students who are struggling to visit.
    - The instructor has a comprehensive understanding of the subject.
    - The instructor is clearly an expert in this field.
    - The instructor seems committed to helping students succeed.
    - The instructor willingly assists and helps the students.
    - This instructor has an encyclopedic knowledge of this subject.
    - This instructor knows this subject very well.

Figure 81: Question Library

Editing View

In the editing view, the current content of the question library is displayed in the form of a tree structure consisting of three levels:

- User, which means the “Owner” of the question groups/questions (Administrator, Subunit Administrator or Active User)
- Question Groups
- Questions

By clicking on a user/a question group or on the open/close symbol in front of the entry, the entry is opened and the elements contained therein are displayed. By clicking on a question group or question, the corresponding properties and available actions are displayed in the right hand window. In the upper area it is defined whether the question group or question is a public or non-public one. Public questions and question groups are available to all users (subunit administrators, active instructors), non-public only to the relevant owner of the question/group. By activating or deactivating this option, the public status can be changed at any time.

For each question group and question, four actions can be undertaken:

- Edit: enables the retrospective editing of a question/group

- Delete: deletes the question/group from the library
- Copy: copies a question/group
- New Group/Question: creates a new group or question in the library

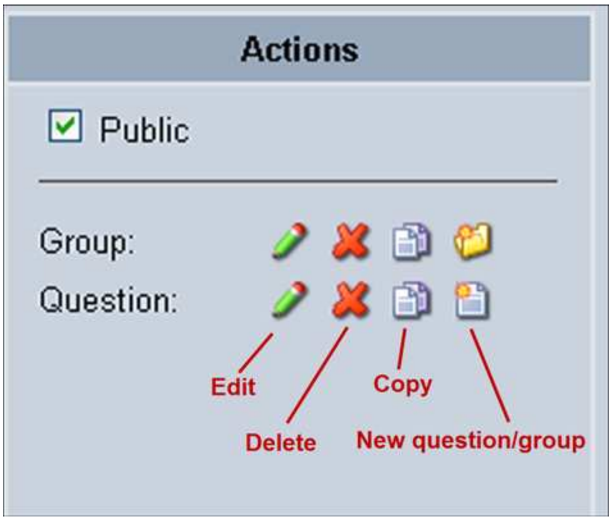
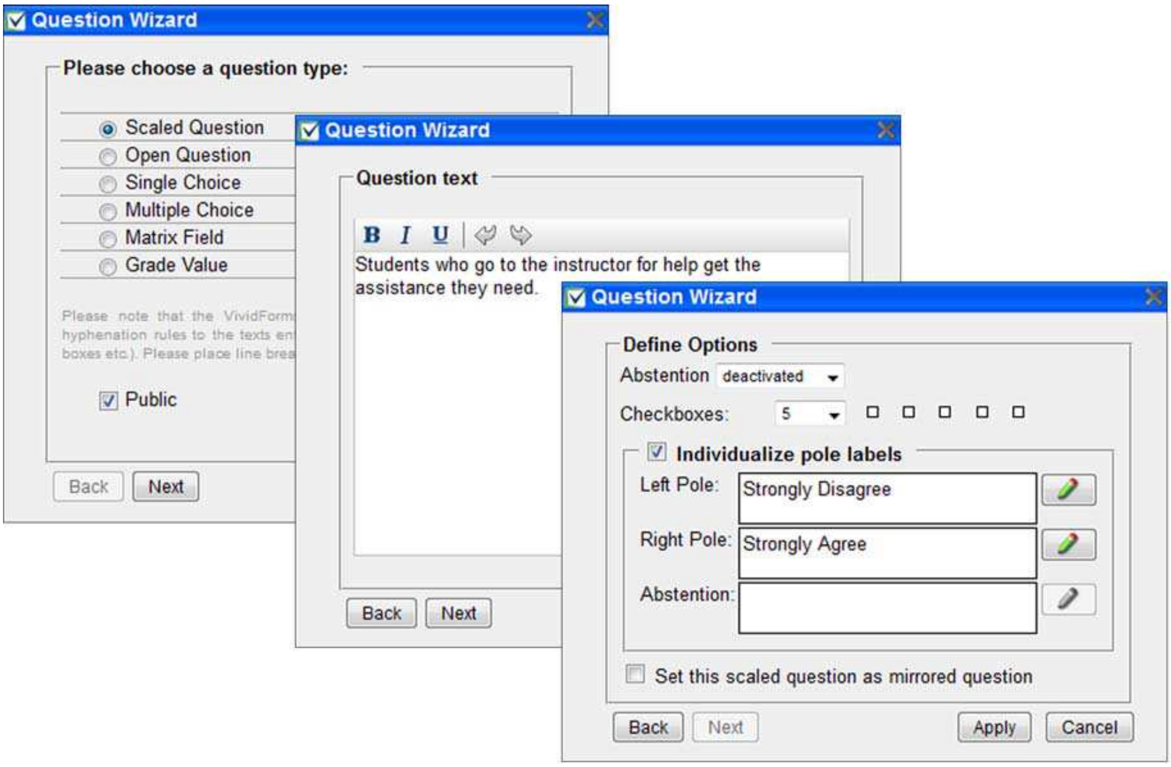

Actions
☑ Public
Group:
Question:
Edit
Delete
Copy
New question/group

Figure 82: Question Library: Actions

To edit a question, use the mouse in the editing view to mark the desired question and then click on the green pencil in the area "Question". The Question Wizard known from work with the VividForms Editor opens. Here, the desired changes (e.g. changes to the question text, the answer options or the pole texts etc.) can be made.


Question Wizard
Please choose a question type:
● Scaled Question
○ Open Question
○ Single Choice
○ Multiple Choice
○ Matrix Field
○ Grade Value
☑ Public
Back
Next
Question Wizard
Question text
B I U
Back
Next
Question Wizard
Define Options
☑ Individualize pole labels
☐ Set this scaled question as mirrored question
Back
Next
Apply
Cancel

Students who go to the instructor for help get the assistance they need.

Abstention: deactivated

Checkboxes: 5

Left Pole: Strongly Disagree

Right Pole: Strongly Agree

Abstention:

Figure 83: Question Library: Editing Questions

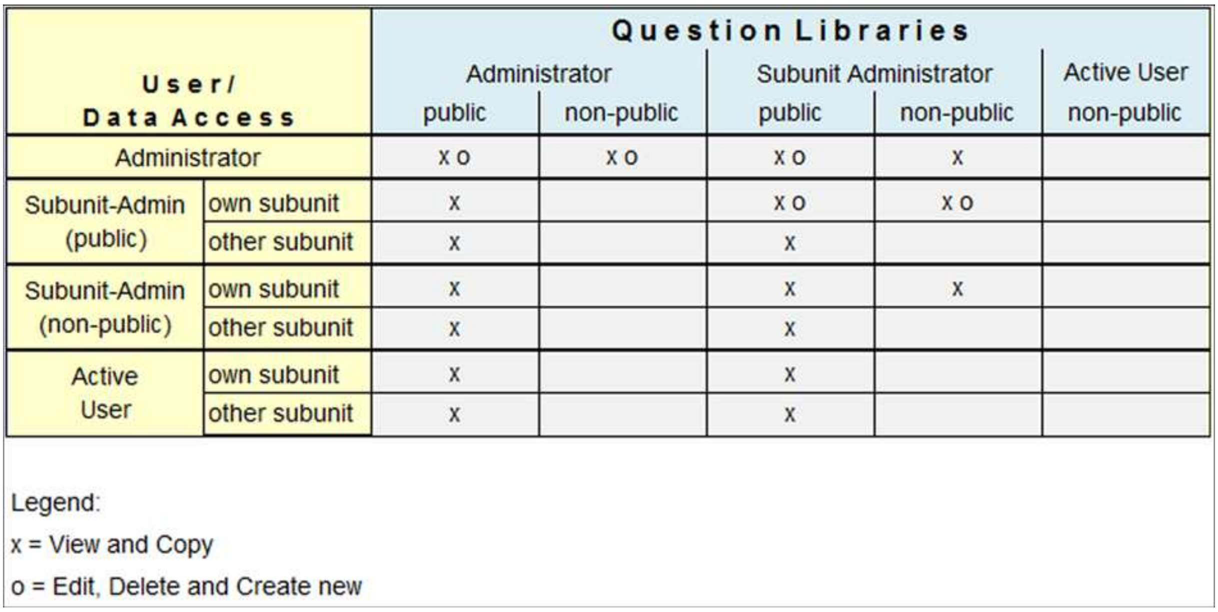
To edit a question group, use the mouse to mark the group or any question within the group and click on the green pencil in the area “Group”. Here too, the Question Wizard opens and enables editing.

To delete or copy a group or a question, mark the desired element and select the relevant action. Please observe, when deleting a question group, all questions contained therein are also deleted.

If you want to create a new question or question group, click on the corresponding icon in the category Group or Question. The wizard opens with which you can undertake the required settings. Finally, click on [Apply]. The group or question is now displayed in the library. Please observe that the new question is always created in the library group which is currently marked.

Rights Structure

The administrator, as well as subunit administrators and active users (Instructors, Deans) all have access to the question library administration. Each user can maintain their own library and add, edit and delete questions and question groups at will. However, depending on the user role access and editing rights differ for the libraries of other users. The following table (to be read from left to right) is intended to clarify the rights structure of the differing user roles:



User/ Data Access		Question Libraries				
		Administrator		Subunit Administrator		Active User
		public	non-public	public	non-public	non-public
Administrator		x o	x o	x o	x	
Subunit-Admin (public)	own subunit	x		x o	x o	
	other subunit	x		x		
Subunit-Admin (non-public)	own subunit	x		x	x	
	other subunit	x		x		
Active User	own subunit	x		x		
	other subunit	x		x		

Legend:
x = View and Copy
o = Edit, Delete and Create new

Figure 84: Question Library: Access Rights

As seen in the overview, an administrator can access and edit public and non-public questions of other administrators as well as the public questions of subunit administrators and create new question groups and questions.

A subunit administrator who has the right to create public questions can edit the public and non-public question(group)s of other subunit administrators and also create new elements here, however, he only has viewing rights for other subunits.

A subunit administrator who does not have the right to create public questions, cannot edit the public or non-public questions of other subunit administrators in his subunit, he only has viewing rights.

The right to input public questions in the library can be given in the user properties of the subunit administrator. By default, subunit administrators do not have the right to create public questions.

The active user only has viewing rights and cannot input public questions into the library. He can however, copy question groups and questions from public libraries into his own library, and edit them there.

Import and Export

The import into the question library as well as the export from it, is achieved via a CSV file. An example file for the import is included in the system ("System Information/ Sample files/Question library").

When importing the question library as a CSV file, the following structure must be adhered to:

Column 1	Column 2*	Column 3*	Column 4	Column 5*	Column 6*	Column 7*	Column 8*	Column 9*	Column 10*	Column 11*
Question Group Title	Question type	Number of options	Question text	Left pole	Right pole	Abstention	Points for Exam Questions	Exam Question	Degree of Difficulty	Maximum Number of Characters for Open Questions (Online)

Table 5: Structure of the Question Library (CSV File)

Column 2* - The **question types** are assigned numbers, the following schema is valid:

0 – Scaled Question

2 – Open Question

4 – Grade Value Question

6 – Single Choice Question with up to 11 answer options (answer options located next to the question text, all answer options are displayed in the report)

8 – Multiple Choice Question

10 – Single Choice Question with any number of answer options (answer options located beneath the question text, only selected answer options are displayed in the report)
14 – Matrix Field Question

Note:
Please note, that for scaled questions neither mirroring nor dual scale functions can be imported or exported.

Column 3* - **Number of options:** In scaled questions, the number of checkboxes is stored here. In grade value questions and open questions this field remains empty. In single choice, single choice extended and multiple choice questions, the number of response options is recorded. In matrix field questions the number of groups in the PDF report is recorded here.

Cloumn 5* - **Left pole**: In scaled questions the left pole description is recorded here. In open questions you can enter the number of lines available to the survey participant for his response here. In grade value questions this field remains empty. In single choice, single choice extended and multiple choice questions, the response options are recorded here. Please note, the different response options must be separated by a vertical line (Pipe) “|”. In matrix field questions enter the minimum value here.

Column 6* - **Right pole**: In scaled questions the right pole description is recorded here. In matrix field questions enter the maximum value here. For all other question types, this field remains empty

Column 7* - **Abstention**: In scaled questions an abstention text can be stored here. For all other question types, this field remains empty

Column 8* - **Points for Exam Questions**: This column remains empty for evaluation questions. Enter here the points for each answer option for exam questions (EvaExam). Please ensure that the sequence of points is in agreement with the sequence of answer options. The different points must also be separated by a vertical line (pipe) “|”.

Column 9* - **Exam Question**: The entry “0” marks the question as a question for evaluation questionnaires. The entry “1” stands for an exam question, meaning there is a question for the exam tool EvaExam.

Column 10* - **Degree of Difficulty**: This column remains empty for evaluation questions. The degree of difficulty of a question is entered here for exam questions. Values between “1” and “5” are possible. The value “0” means that no degree of difficulty has been assigned.

Column 11* - **Maximum Number of Characters for Open Questions (Online)**: To answer open questions in online surveys, a maximum permitted number of characters can be specified here. This means a participant cannot type in more characters than predefined. When the value is “0”, the participant can type in as many characters as desired. This column remains empty for all other questions.

The following example should clarify the structure of a CSV file for you:

Personal Details	4		Grade of Your last graduation					0		
Personal Details	14	5	Age:	18	99			0		
Personal Details	6	2	Gender:	Male|Female				0		
Course: Planning and Presentation	0	4	The course provides a good overview of the topic.	Agree	Disagree	n.a.		0		
Course: Planning and Presentation	2		Your comment on the course content:	3				0		2000
general education	8	6	Call three main parts of the air.	Nitroen|Argon|Carbon dioxide|Hydroen|Helium|Oxygen			1|0|1|0|0|1	1	1	
general education	2		Describe the structure of the water molecule.		8			1	3	800

Table 6: An Example of the CSV File Structure when Importing and Exporting the Question Library

This structure is also valid for the export of the question library as a CSV file. To import a question library, click on [Browse] and select an EvaSys question library file. To start the import process, click on [Import].

To export click on [Export]. A “Save as...” dialog appears. Select a folder and click on [Save].

To integrate question groups and questions from the library into your questionnaire, please open the question library in VividForms Editor (See also chapter C 4. "Use of the Question Library with VividForms" chapter “).

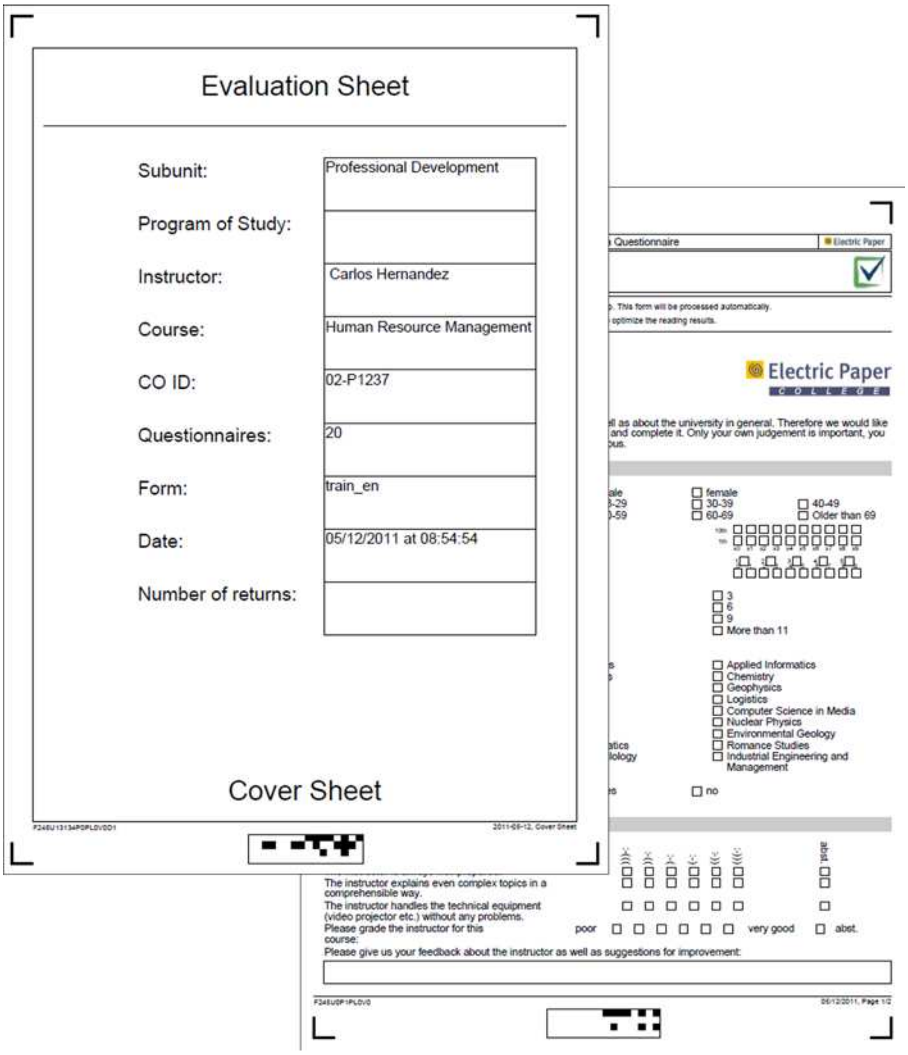
3. Phase 2: Implementation of Surveys

3.1. Survey Procedures

EvaSys supports a number of procedures for processing completed paper questionnaires as well as online surveys. The goal of these procedures is to make processing returns as smooth and anonymous as possible.

3.1.1. Cover Sheet Procedure

With the cover sheet procedure, cost savings can be achieved through the production of larger quantities of questionnaires in printing shops. When using blank questionnaires it is not possible to determine which course the responses are intended for and so a cover sheet is necessary. This includes information on the course and in the lower area the operation number is printed twice.



Evaluation Sheet

Subunit:	Professional Development
Program of Study:	
Instructor:	Carlos Hernandez
Course:	Human Resource Management
CO ID:	02-P1237
Questionnaires:	20
Form:	train_en
Date:	05/12/2011 at 08:54:54
Number of returns:	

Cover Sheet

The instructor explains even complex topics in a comprehensible way.
The instructor handles the technical equipment (video projector etc.) without any problems.
Please grade the instructor for this course: poor ☐ ☐ ☐ ☐ ☐ ☐ very good ☐ abst.
Please give us your feedback about the instructor as well as suggestions for improvement:

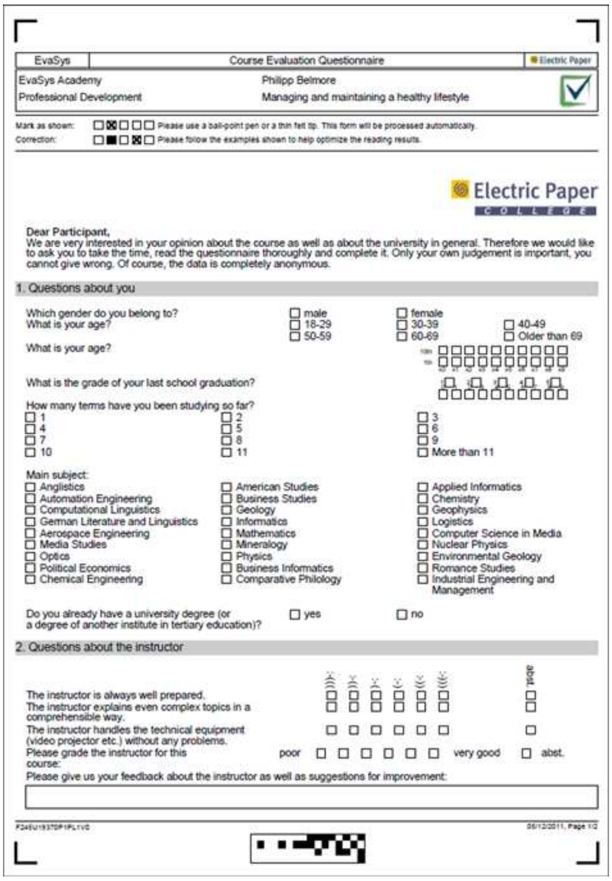
Figure 85: Cover Sheet Procedure

Optionally, the cover sheet can be equipped with a signature field which serves to receive the signature of the instructor and as such, his agreement to later receive the report. If the signature on the cover page is missing, the automatic dispatch is suppressed. For more information, see chapter B 3.7. "Conducting a Paper Survey".

3.1.2. Hard Copy Procedure

The hard copy procedure involves identifying the questionnaire for every course. The operation number is printed at the bottom of the page. Additional information fields can be printed in the header of all the questionnaires. Optional additional questions, whose content can be determined by the instructors themselves, can also be included.

The hard copy procedure also allows all of the questionnaires to be numbered. This is especially useful when the questionnaire contains more than two pages, or when printed on both sides of the page on more than one page of paper. This guarantees that the questionnaire sets are logically coherent even if they are mixed up when collected.



EvaSys	Course Evaluation Questionnaire	Electric Paper

EvaSys Academy — Philipp Belmore
Professional Development — Managing and maintaining a healthy lifestyle

Mark as shown: ☐ ☒ ☐ ☐ ☐ Please use a ball-point pen or a thin felt tip. This form will be processed automatically.
Correction: ☐ ■ ☐ ☒ ☐ Please follow the examples shown to help optimize the reading results.

Electric Paper
COLLEGE

Dear Participant,
We are very interested in your opinion about the course as well as about the university in general. Therefore we would like to ask you to take the time, read the questionnaire thoroughly and complete it. Only your own judgement is important, you cannot give wrong. Of course, the data is completely anonymous.

1. Questions about you

Which gender do you belong to? ☐ male ☐ female
What is your age? ☐ 18-29 ☐ 30-39 ☐ 40-49 ☐ 50-59 ☐ 60-69 ☐ Older than 69
What is your age? ☐☐☐☐☐☐☐☐☐☐ ☐☐☐☐☐☐☐☐☐☐
What is the grade of your last school graduation? ☐ ☐ ☐ ☐ ☐ ☐☐☐☐☐☐☐☐☐☐

How many terms have you been studying so far?
☐ 1 ☐ 2 ☐ 3
☐ 4 ☐ 5 ☐ 6
☐ 7 ☐ 8 ☐ 9
☐ 10 ☐ 11 ☐ More than 11

Main subject:
☐ Anglistics
☐ Automation Engineering
☐ Computational Linguistics
☐ German Literature and Linguistics
☐ Aerospace Engineering
☐ Media Studies
☐ Optics
☐ Political Economics
☐ Chemical Engineering
☐ American Studies
☐ Business Studies
☐ Geology
☐ Informatics
☐ Mathematics
☐ Mineralogy
☐ Physics
☐ Business Informatics
☐ Comparative Philology
☐ Applied Informatics
☐ Chemistry
☐ Geophysics
☐ Logistics
☐ Computer Science in Media
☐ Nuclear Physics
☐ Environmental Geology
☐ Romance Studies
☐ Industrial Engineering and Management

Do you already have a university degree (or a degree of another institute in tertiary education)? ☐ yes ☐ no

2. Questions about the instructor

							abst.
The instructor is always well prepared.	☐	☐	☐	☐	☐	☐	☐
The instructor explains even complex topics in a comprehensible way.	☐	☐	☐	☐	☐	☐	☐
The instructor handles the technical equipment (video projector etc.) without any problems.	☐	☐	☐	☐	☐	☐	☐

Please grade the instructor for this course: poor ☐ ☐ ☐ ☐ ☐ ☐ very good ☐ abst.

Please give us your feedback about the instructor as well as suggestions for improvement:

05/12/2011, Page 1/2

Figure 86: Hard Copy Procedure

3.1.3. PSWD Based Online Survey

In the PSWD based online survey, each participant receives his or her own PSWD (= transaction number) with which he can log into the online survey. When creating an online survey, EvaSys automatically generates a certain number of PSWD codes. The PSWD codes are five digit alphanumerical combinations, which are composed from a character set of 32 characters. Therefore, there are more than 33 million possible PSWD combinations, which is why the PSWD procedure is regarded as extremely safe. Based on the PSWD codes, the one-time participation in a survey is guaranteed. PSWD codes ensure that a participant takes part in a survey only once as without them it would be impossible to prevent an individual from completing a questionnaire more than once.

No software is necessarry for filling a HTML questionnaire apart from a browser.

An online survey can appear as either a complete questionnaire or in sections, in which case the respondent can navigate back and forth between sections. Also in PSWD-based surveys participants can save their entries and return to the questionnaire at a later point in time to complete it.

A print button may be activated in order to print the completed questionnaire. The questionnaire must be saved temporarily before printing.

Another feature is the filter tool which allows you to define skipping rules in order to skip irrelevant questions.

Example:

The participant has responded to a question whether a presentation program was used with “no”. Any following questions about the quality of the presentation program should not be answered in order to avoid falsifying the data.

If an online survey has an insufficient response rate, a reminder function can batch email the participants with a reminder to complete the questionnaire. The anonymity of the participant remains unaffected. Upon submission the system will save a time stamp which is available through the raw data export for each dataset.

This information can be used to analyze the respondent behavior.

The option “certificate of participation” is available to allow the participants to prove their completion of the survey. This certificate can either be displayed as a PDF document after submission of the form, or provided through an email with a PDF attachment. The certificate can only be mailed if the PSWDs were sent out by email in the first place.

Online surveys are symbolized with a globe. You can create so called templates to customize online surveys to individual needs. (seechapter B 3.8. "Effective Management and Conduction of Online Surveys"

3.1.4. Password Based Online Survey

The password based online survey is an online survey with a pre-established general password for all participants. As opposed to the PSWD based online survey, not every participant receives their own password. This method is a comparably unsafe one because participants cannot be prevented from voting more than once in a survey with the same password. On the other hand, the password based process allows a survey to be conducted without precise knowledge of the group of participants, i.e. without being able to invite participants personally.

The standard method for online surveys in central evaluation is by default the PSWD-based method. In order to perform a password based online survey, this function must first be activated in the EvaSys settings (menu “System Settings/EvaSys Settings/Survey Online/Allow password based online surveys (Central Evaluation)”). Once activated, standard PSWD based online surveys can be converted in password based ones. To create a password based online survey, see chapter B 3.8. "Effective Management and Conduction of Online Surveys".

The standard procedure for online surveys is usually set as a PSWD based procedure. Single password online surveys can be deactivated in EvaSys Settings if you do not need to use them (Menu “System Settings/EvaSys Settings/Survey Online/Allow Password Based Online Surveys (Central Evaluation)”). If they are activated, they can be created via the “Generate Surveys” menu, just like PSWD based surveys. In addition, you can transform PSWD based online surveys which have already been created into single password surveys (see chapter B 3.8. "Effective Management and Conduction of Online Surveys").

3.1.5. Hybrid Survey

Hybrid questionnaires allow you to create a survey that is both online and paper based. The survey participants receive access to a paper questionnaire as well as a PSWD for an online survey, and can decide which medium they wish to use to fill out the questionnaire.

Just like the PSWD based online survey, access codes can be sent to the participants via email, and, in this case, a PDF questionnaire, which can be printed and filled out, is attached to the email. Alternatively, questionnaires which include the PSWD and server address can be printed and distributed. Optionally, a QR Code can be included on the questionnaire, so that participants can scan it into their mobile devices to access the online survey.

The hybrid questionnaire is set up to ensure that a participant can only take part in the survey once. Once the paper questionnaire has been filled out and scanned in, the PSWD is automatically marked as used, and vice versa. The questionnaire's CSV raw data will then show which medium participants used to fill out the survey (paper, online, or online with a mobile device).

3.2. Generating Surveys

With this function you can generate any number of surveys. You must only make sure that the questionnaires you need exist, have been tested and are set for use. The setting which questionnaire can be used for which course is done at “Questionnaires/ Questionnaire List/Details”. You can define here which questionnaire should be used for which course type and subunit.

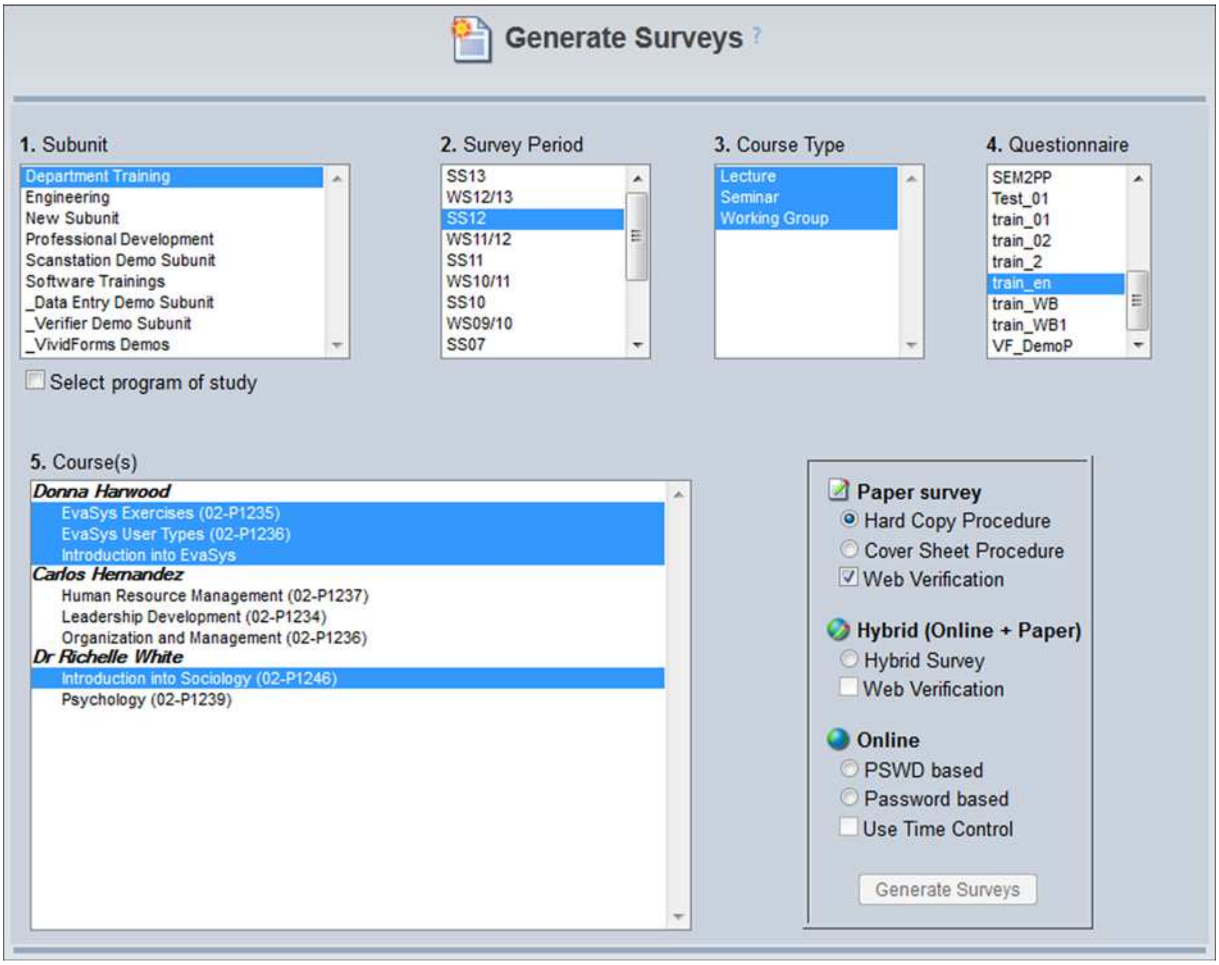
In the main menu „Subunits click on “Generate Surveys” in the context menu. Now you must in succession in each field select one or a number of options. Depending on what you have chosen and the resulting restrictions you will then see only the valid selection options.

Select:

- a subunit,
- a survey period,
- one or more types of courses,

- a questionnaire,
- one or more courses,
- a survey type.

You can select more than one option by pressing down the left mouse button and pulling the mouse down. You can also hold the “Ctrl” button and select any number of individual courses.



Generate Surveys

1. Subunit
Department Training
Engineering
New Subunit
Professional Development
Scanstation Demo Subunit
Software Trainings
_Data Entry Demo Subunit
_Verifier Demo Subunit
_VividForms Demos

☐ Select program of study

2. Survey Period
SS13
WS12/13
SS12
WS11/12
SS11
WS10/11
SS10
WS09/10
SS07

3. Course Type
Lecture
Seminar
Working Group

4. Questionnaire
SEM2PP
Test_01
train_01
train_02
train_2
train_en
train_WB
train_WB1
VF_DemoP

5. Course(s)
Donna Harwood
EvaSys Exercises (02-P1235)
EvaSys User Types (02-P1236)
Introduction into EvaSys
Carlos Hernandez
Human Resource Management (02-P1237)
Leadership Development (02-P1234)
Organization and Management (02-P1236)
Dr Richelle White
Introduction into Sociology (02-P1246)
Psychology (02-P1239)

Paper survey
● Hard Copy Procedure
○ Cover Sheet Procedure
☑ Web Verification

Hybrid (Online + Paper)
○ Hybrid Survey
☐ Web Verification

Online
○ PSWD based
○ Password based
☐ Use Time Control

Figure 87: Generating Surveys

Finally you must select the survey method. You have the choice of:

- **Hard copy procedure (with optional Verification)**

  Each questionnaire for each course is downloaded, automatically personalized and printed.

- **Cover sheet procedure (with optional Verification)**

  A cover sheet is printed for each course, while the questionnaires are preproduced. Afterwards the cover letter is scanned together with the completed questionnaires and serves to identify the survey.

- **Hybrid Questionnaire (with optional Verification)**

  The correct number of personalized questionnaires and PSWDs are created for each course. You can choose to send PSWDs to the participants via email (with a PDF questionnaire attached), and/or to distribute questionnaires (with a PSWD printed on them).

- **PSWD Based Online Survey (with optional time control)**

  For each course the appropriate number of PSWDs will be produced. The number of PSWDs is taken from the data field “number participants” in the course data. If this information is missing then there is a default setting at “EvaSys Settings/Survey Online/Default value PSWD per survey (central evaluation)”. The PSWDs can then be printed on small cards and distributed, or sent via email to the survey participants.

- **Password Based Online Survey (no optional time control)**

  A general password is created for every course. You can set what type of password is automatically created in advance, using “System Settings/EvaSys Settings/Survey Online/Creating Passwords for Single Password Surveys.” If necessary, you can adjust the password at a later point. As in the PSWD procedure, the password can be sent to the participant via email.

- **Additional Option: Verification**

  You can choose “Verification” for all types of paper surveys as well as for hybrid questionnaires. If it is activated, once the questionnaire has been scanned, uncertain readings within the VividForms Reader can be double checked, for example, if the degree of blacking in a certain box is very light, or no blacking could be identified. You can use the drop-down menu to choose whether all questions, or only ICR questions are to be verified. For more information on verification, see chapter B 4.3. "Correction of Checkboxes not Clearly Read: The Verification".

- **Optional Time Control**

  You can choose “Use Time Control” for PSWD based online surveys. You can use time control to run surveys automatically, as you can set times for certain actions to take place (sending PSWDs, reminders, etc.). For more information on time control, see chapter B 3.8.2. "Generating and Managing Time Scheduled Online Surveys"

The possibilties of distributing questionnaires and PSWDs are described in chapter B 3.11. "Batch Events ".

3.3. Display Surveys

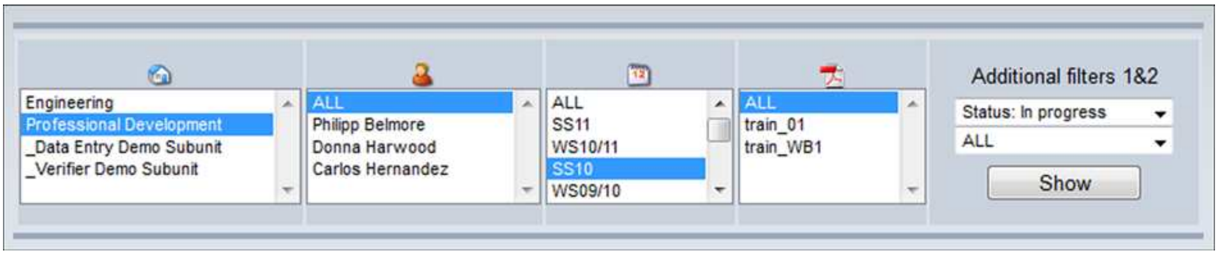

Engineering
Professional Development
_Data Entry Demo Subunit
_Verifier Demo Subunit
ALL
Philipp Belmore
Donna Harwood
Carlos Hernandez
ALL
SS11
WS10/11
SS10
WS09/10
ALL
train_01
train_WB1
Additional filters 1&2
Status: In progress
ALL
Show

Figure 88: Display Surveys

In order to display a number of surveys, select in the box “Central Evaluation” the option “Display Surveys”. Then select one or more subunits, survey periods, the instructors and the relevant questionnaires and click on [Show].

Via the additional filter, the selection can, if desired, be refined according to differing survey status and types. In the drop-down lists, the following status and types are available:

- Status: ready, data available, data deleted, quantity of data too low, data capturing, verification, open, closed
- Type: online surveys, hard copy procedure, cover sheet procedure, merge, report (filtering), report (unweighted), hybrid (online and paper based), dynamic subgroups
- Status: PSWDs, reminder, questionnaire, evaluation submitted/not submitted

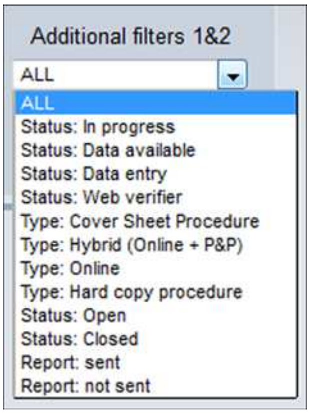
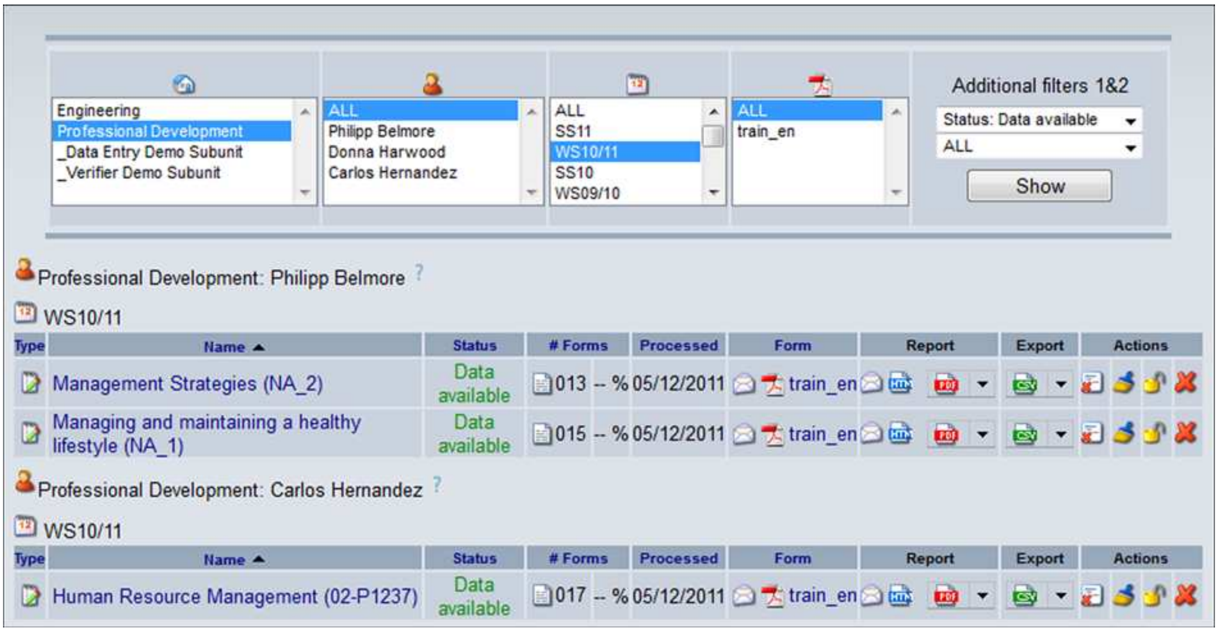

Additional filters 1&2
ALL
ALL
Status: In progress
Status: Data available
Status: Data entry
Status: Web verifier
Type: Cover Sheet Procedure
Type: Hybrid (Online + P&P)
Type: Online
Type: Hard copy procedure
Status: Open
Status: Closed
Report: sent
Report: not sent

Figure 89: Additional Filters in the Survey Display

After clicking on [Show], the surveys are displayed in an overview according to the choices made.


Engineering
Professional Development
_Data Entry Demo Subunit
_Verifier Demo Subunit
ALL
Philipp Belmore
Donna Harwood
Carlos Hernandez
ALL
SS11
WS10/11
SS10
WS09/10
ALL
train_en
Additional filters 1&2
Status: Data available
ALL
Show

Professional Development: Philipp Belmore ?

WS10/11

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Management Strategies (NA_2)	Data available	013 -- %	05/12/2011	train_en			
	Managing and maintaining a healthy lifestyle (NA_1)	Data available	015 -- %	05/12/2011	train_en			

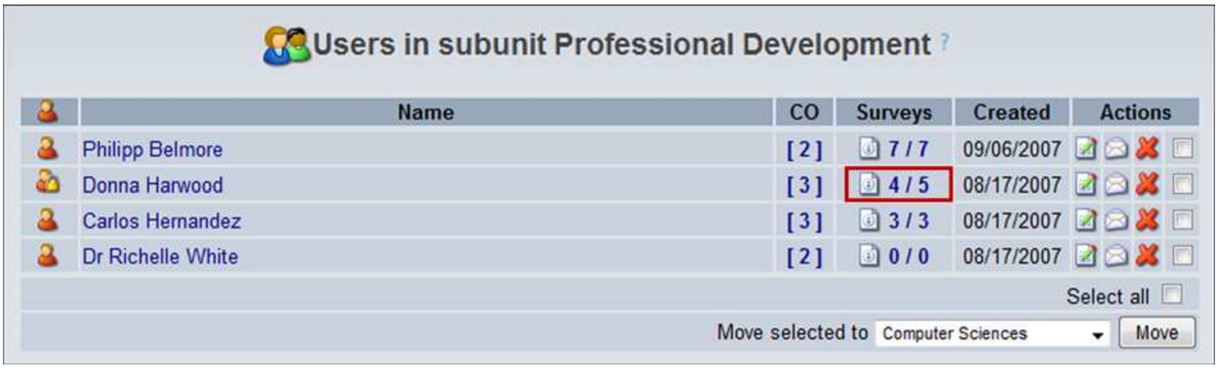
Professional Development: Carlos Hernandez ?

WS10/11

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Human Resource Management (02-P1237)	Data available	017 -- %	05/12/2011	train_en			

Figure 90: Display the Selected Surveys

Alternatively, the survey list of an instructor can be opened directly via the content view of a subunit. In this overview, a column with the heading “Surveys” is displayed. This includes two numbers for each instructor, separated by a forward slash, e.g. [1/3]. This corresponds to: [number of surveys processed/number of surveys created].


Users in subunit Professional Development ?

	Name	CO	Surveys	Created	Actions
	Philipp Belmore	[2]	7 / 7	09/06/2007	☐
	Donna Harwood	[3]	4 / 5	08/17/2007	☐
	Carlos Hernandez	[3]	3 / 3	08/17/2007	☐
	Dr Richelle White	[2]	0 / 0	08/17/2007	☐

Select all ☐
Move selected to Computer Sciences
Move

Figure 91: Accesing surveys within a Subunit

The display [4/5] means that the user has created five surveys in his user profile, for four of which returns have been received. With a mouse click on the number in brakkets you can access the survey results.

In the survey window you will see in a table the surveys you selected according to the filter above: depending on the status of the survey you can now initiate a number of different operations.

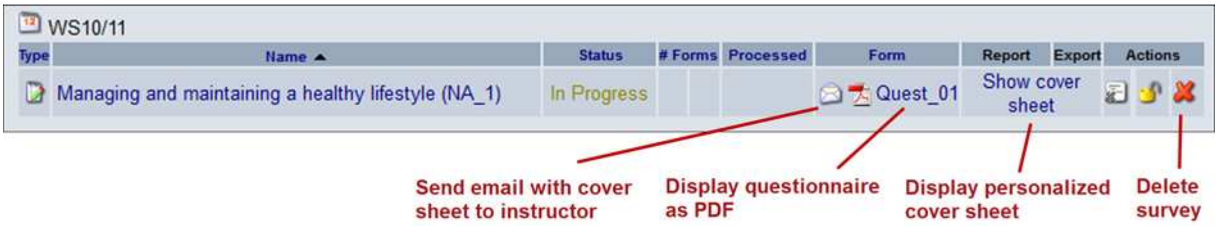
All available actions and information about the survey can be found in the survey details, which can be reached by clicking on the survey name.

With a click on one of the column headings in blue the window will be sorted according to this column. You can sort the surveys according to:

- Type
- Name
- Status
- Form
- Created (date)
- Processed (date)
- Recorded (number of returns)

Survey Status: In progress

Cover Sheet Procedure:



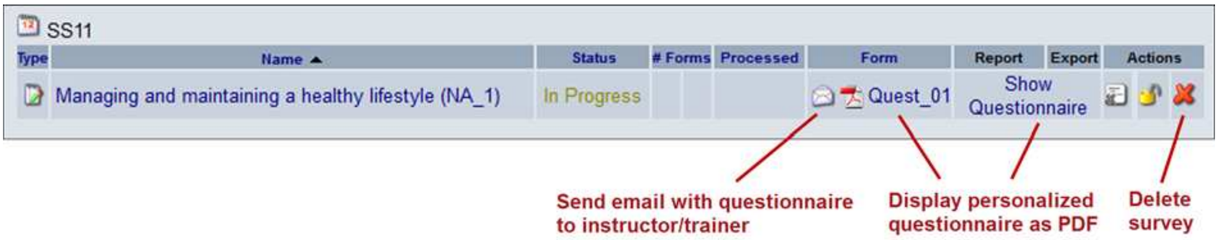
WS10/11

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Managing and maintaining a healthy lifestyle (NA_1)	In Progress			Quest_01	Show cover sheet		

Send email with cover sheet to instructor
Display questionnaire as PDF
Display personalized cover sheet
Delete survey

Figure 92: Survey Status: Cover sheet procedure – In Progress

Hard Copy Procedure:



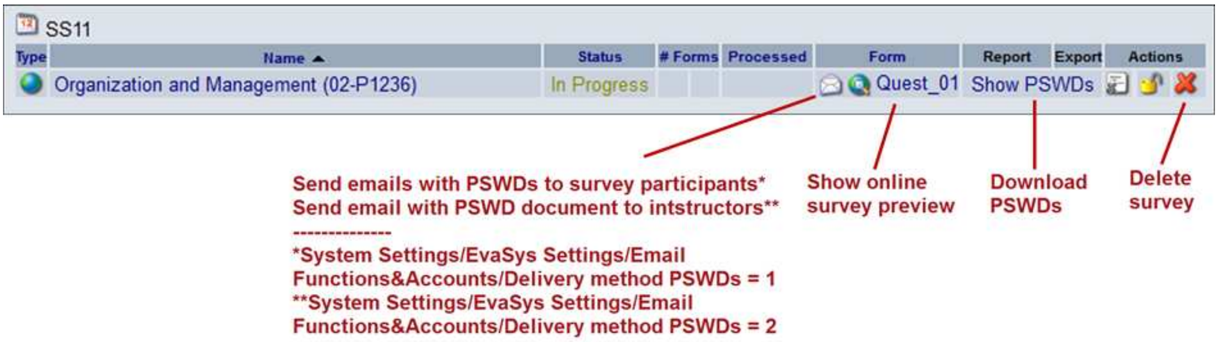
SS11

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Managing and maintaining a healthy lifestyle (NA_1)	In Progress			Quest_01	Show Questionnaire		

Send email with questionnaire to instructor/trainer
Display personalized questionnaire as PDF
Delete survey

Figure 93: Survey Status: Hard copy procedure – In Progress

Online Survey:



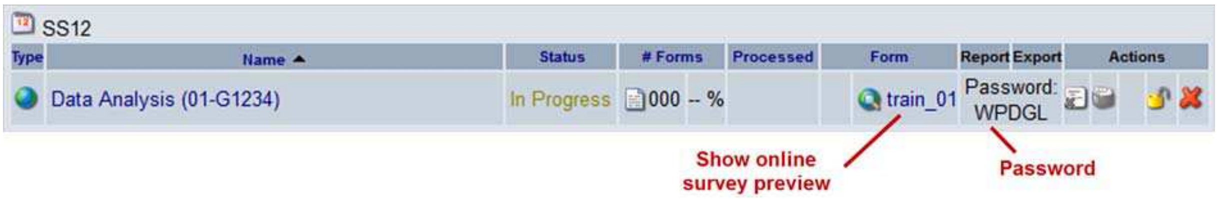
SS11

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Organization and Management (02-P1236)	In Progress			Quest_01	Show PSWDs		

Send emails with PSWDs to survey participants*
Send email with PSWD document to intstructors**
----
*System Settings/EvaSys Settings/Email Functions&Accounts/Delivery method PSWDs = 1
**System Settings/EvaSys Settings/Email Functions&Accounts/Delivery method PSWDs = 2

Show online survey preview
Download PSWDs
Delete survey

Figure 94: Survey Status: PSWD based Online survey – In Progress



SS12

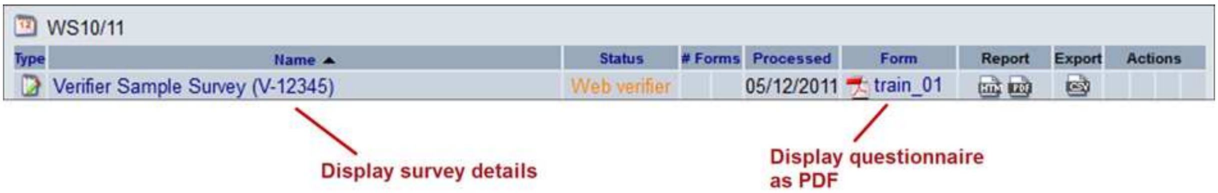
Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Data Analysis (01-G1234)	In Progress	000 -- %		train_01	Password: WPDGL		

Show online survey preview

Password

Figure 95: Survey Status: Password based Online survey – In Progress

Survey Status: Verification



WS10/11

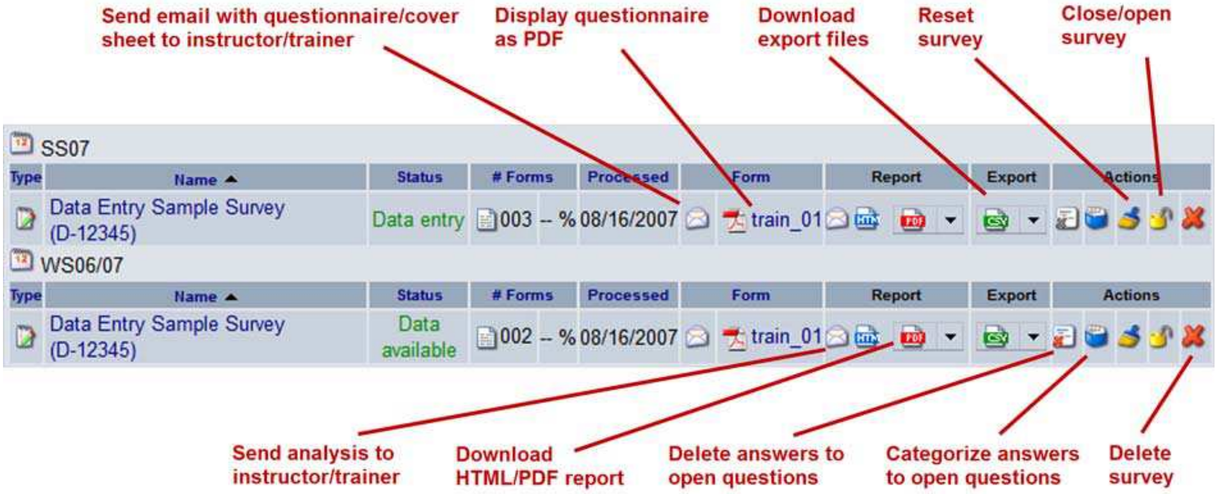
Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Verifier Sample Survey (V-12345)	Web verifier		05/12/2011	train_01	HTM PDF	CSV	

Display survey details

Display questionnaire as PDF

Figure 96: Survey Status: Verfication – Web Verifier

Survey Status: Data available/Data entry



Send email with questionnaire/cover sheet to instructor/trainer

Display questionnaire as PDF

Download export files

Reset survey

Close/open survey

SS07

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Data Entry Sample Survey (D-12345)	Data entry	003 -- %	08/16/2007	train_01	HTM PDF	CSV	

WS06/07

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Data Entry Sample Survey (D-12345)	Data available	002 -- %	08/16/2007	train_01	HTM PDF	CSV	

Send analysis to instructor/trainer

Download HTML/PDF report

Delete answers to open questions

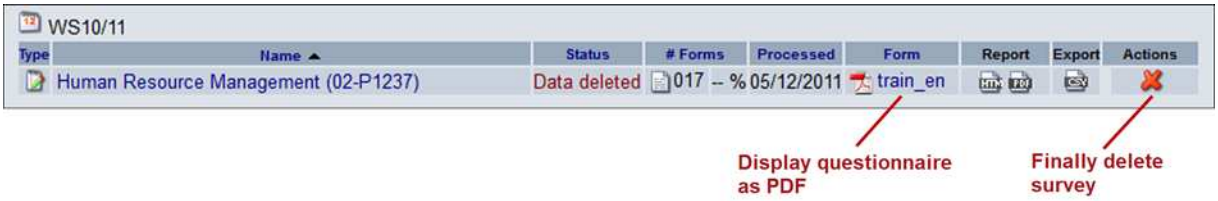
Categorize answers to open questions

Delete survey

Figure 97: Survey Status: Data available/Data entry

Survey Status: Data Deleted

(only when function “delete in 2 steps” has been activated)



WS10/11

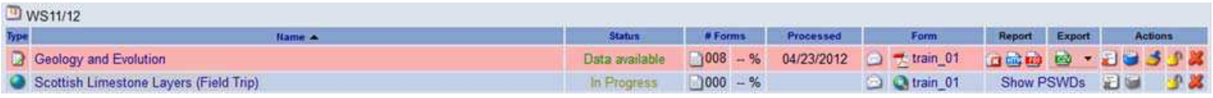
Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Human Resource Management (02-P1237)	Data deleted	017 -- %	05/12/2011	train_en	HTM PDF	CSV	✖

Display questionnaire as PDF

Finally delete survey

Figure 98: Survey Status: Data Deleted

Survey with status “Data Available” marked red



WS11/12

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Geology and Evolution	Data available	008 -- %	04/23/2012	train_01			
	Scottish Limestone Layers (Field Trip)	In Progress	000 -- %		train_01	Show PSWDs		

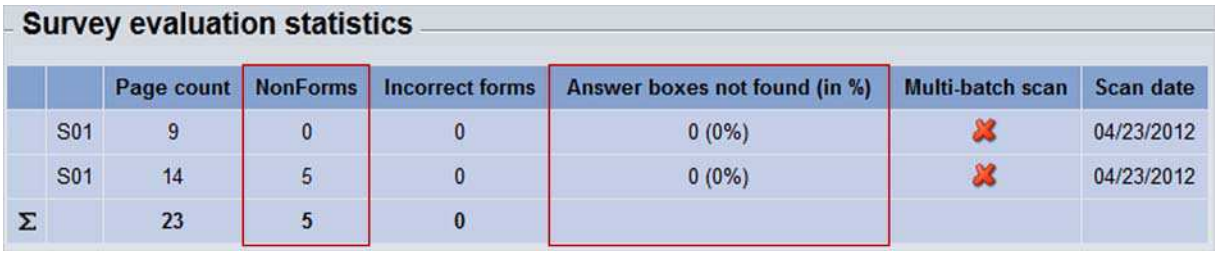
Figure 99: Survey with status “Data Available” marked red

There are two reasons for a survey to be marked red after it has been scanned: Either the OMR error threshold has been reached, that is, the VividForms Reader could not find every check box on the form (because, for example, the scanner is dirty, the batch was crooked, etc) or the number of NonForms in the batch scanned was too high, that is, there were too many pages in the batch which were not recognized as forms.

Both values can be checked under “System Settings/EvaSys Settings/Survey”. The first case comes under the setting “Warning threshold (in percent) for recognition problems during the processing of paper forms”. The second case comes under the setting “Warning threshold in % for PDF report dispatch by email” (compare chapter D 2.5.2. "Section “Survey”").

In each case, the PDF report is not automatically sent. Also, the EvaSys administrator will receive a warning via email.

To prevent these errors from occurring again, the cause of the faulty reading should be checked. You can check what caused the problem (check boxes not found or too many NonForms) by taking a look at the survey details under “Survey evaluation statistics” (see also chapter D 1.6. "Evaluation Statistics").



Survey evaluation statistics

		Page count	NonForms	Incorrect forms	Answer boxes not found (in %)	Multi-batch scan	Scan date
	S01	9	0	0	0 (0%)	✗	04/23/2012
	S01	14	5	0	0 (0%)	✗	04/23/2012
Σ		23	5	0			

Figure 100: Survey Evaluation Statistics in Survey Details

Depending on the severity of the failure, you can decide whether you wish to manually send the PDF report or reset the survey and rescan it. If the error occurs again after rescanning, you should check both the scanner and the questionnaire.

3.4. Survey Details

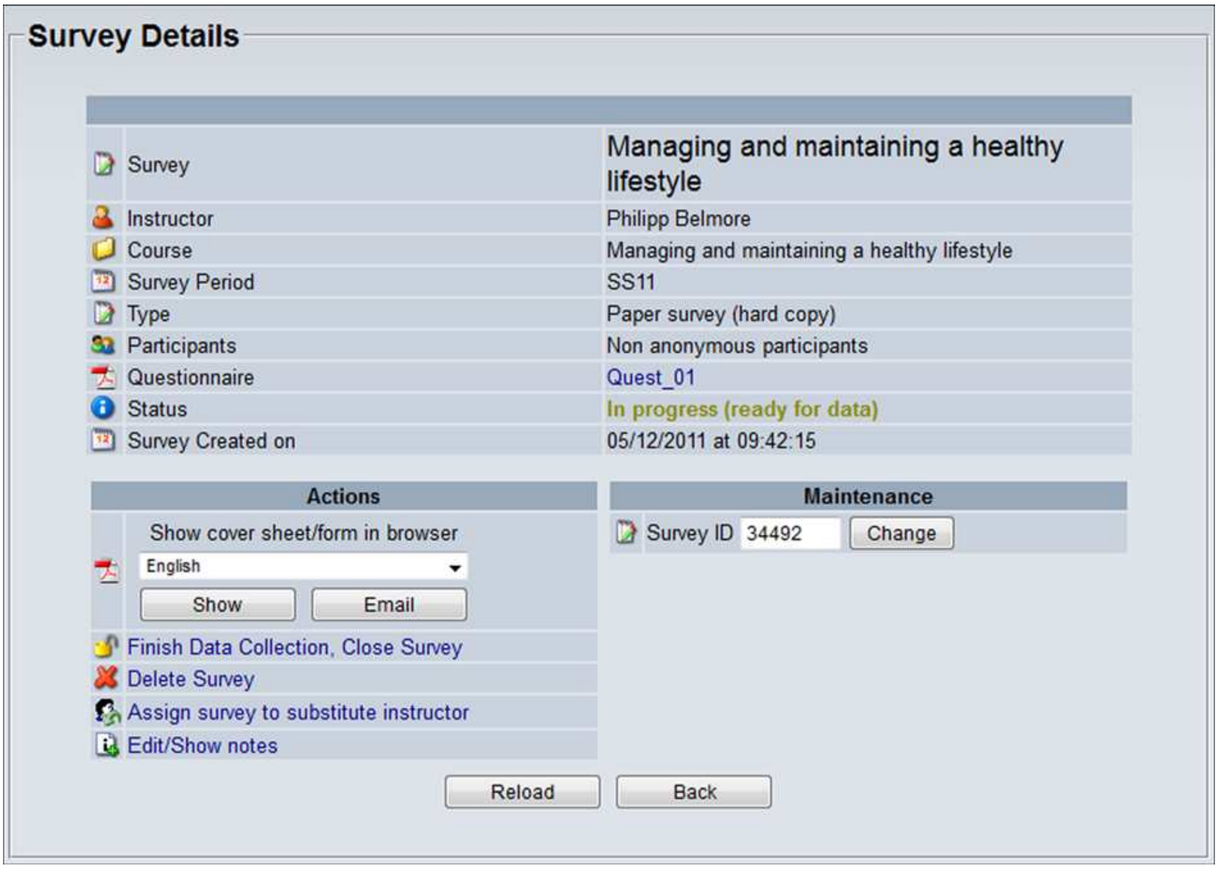
3.4.1. Display of Survey Details

In order to display more detailed information about the survey you can click on the survey name. You also have access here too all the functions of this survey.

Some functions can only be accessed using this detail window. Depending on the status of the survey (e.g. ready, data available), the survey type and further attributes specific to the questionnaire or survey (e.g. language, PSWD status), a variety of survey data and functions will be made available.

At the top of the Detail Window you can see the header data for the survey.

In the lower left-hand corner you can see a number of options relating to the survey and in the lower right-hand corner you can select the evaluation report and export format.



Survey Details

Survey	Managing and maintaining a healthy lifestyle
Instructor	Philipp Belmore
Course	Managing and maintaining a healthy lifestyle
Survey Period	SS11
Type	Paper survey (hard copy)
Participants	Non anonymous participants
Questionnaire	Quest_01
Status	In progress (ready for data)
Survey Created on	05/12/2011 at 09:42:15

Show cover sheet/form in browser: English

Survey ID: 34492

Actions
Show
Email
Finish Data Collection, Close Survey
Delete Survey
Assign survey to substitute instructor
Edit/Show notes
Maintenance
Change
Reload
Back

Figure 101: Survey Details: Status In Progress

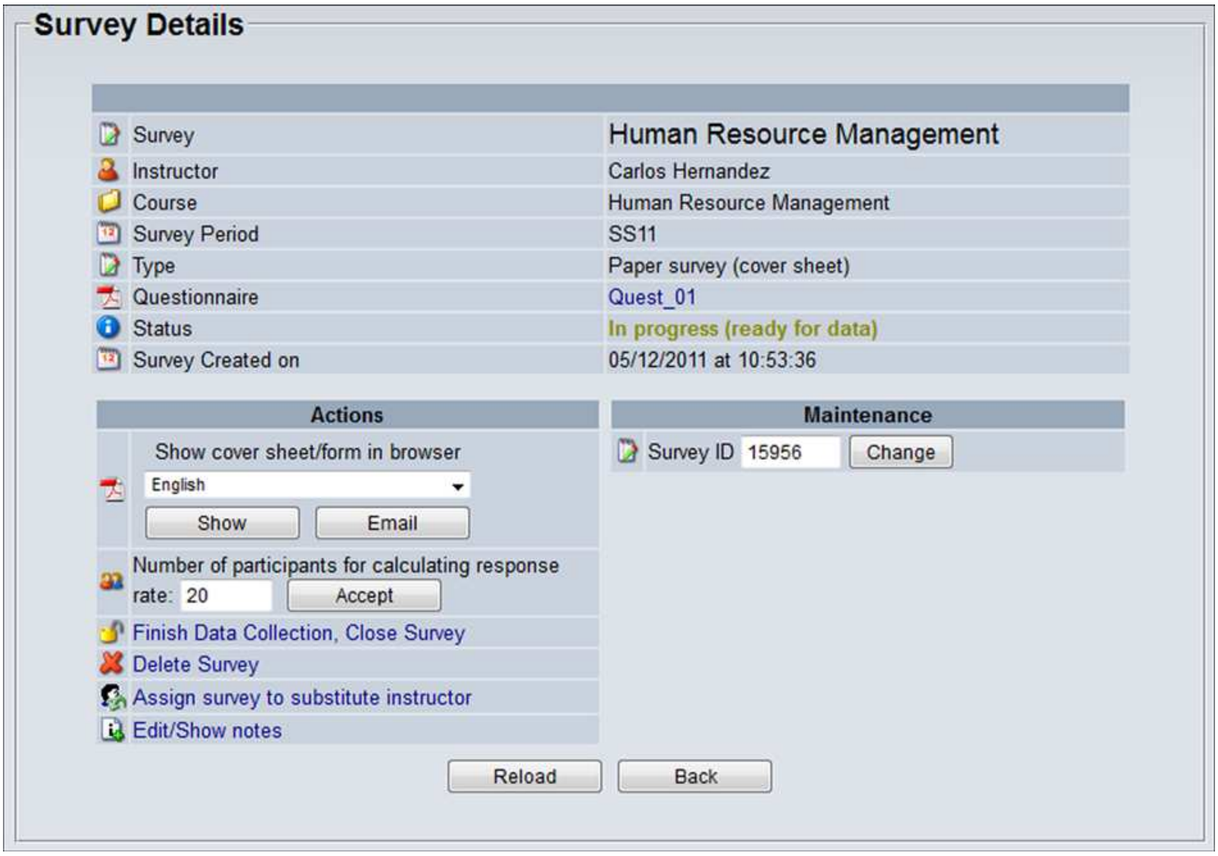
The following table gives you an overview on the actions concerning surveys.

Action	Description	Survey Type	Survey Status
Delete survey	Deletes the survey	All	All
Restore survey	Deletes the response data of a survey. The survey remains in the status “ready“	All	Data available
Unlock data collection/ Finish data collection	Opens or closes a survey. If closed, no data can be submitted to the survey	All	All
Show PSWDs in browser	Generates and displays a PDF document containing the PSWDs of a survey	Online Hybrid	All
Receive PSWDs by email	Sends an email with the PDF document containing the PSWDs to the owner of the survey	Online Hybrid	All
Send PSWDs to respondents by email	Batch emailing of the PSWDs to the respondents	Online Hybrid	All
Download PSWDs in CSV file	Allows the download of a text file containing all remaining PSWDs for a survey	Online Hybrid	All
Generate more PSWDs	Allows the generation of additional PSWDs for an existing online survey	Online Hybrid	All
Number of participants to calculate the response rate	Here the number of participants can be adapted if required (by default using the course information)	All	All
Preview online survey	Opens a window with a preview of the online survey	Online	All
Scheduled Tasks	Shows the scheduled tasks linked to the survey, such as PSWD submission, reminder submission or reporting	Online	All
Convert survey to password based survey	Convert a PSWD based survey retroactivly to a password based survey	Online	Ready
Show cover sheet/form in browser	Opens the personalized cover sheet or the questionnaire of the survey as PDF file in the browser	Paper	All
Email cover sheet/form	Sends the personalized cover sheet and/or form to the owner of the survey by email	Paper	All
Edit answers to open questions	Shows the open ended question answers in a list, allowing the administrator to select and delete if necessary	All	Data available
Assign survey to a substitute instructor	Allows a survey to be assigned to a another user, for example to include a substitute instructor	All	Data available
Edit/display notes	Here, existing notes on surveys can be viewed or amended.	All	Data available

Categorize answers to open questions	Single answers on open questions are assigned into categories	All	Data available
Survey ID	Here, you can change the identification of the survey (= survey -ID). (Attention: Not available in “Web verifier” mode.)	All	Data available
Show recognized form originals as PDF	Here the recognized answer boxes of the scanned questionnaires can be displayed.	Paper	Data available
Delete original scanned files of recognized forms	Here you can delete all scanned original sides of a survey	Paper	Data available

Table 7: Overview on the Actions Concerning a Survey

In the following graphic, you can see header data, actions and the maintenance of an email merge survey. There are not yet any data available for the survey. You can only display the questionnaire here, finish the data collection (close survey), delete the survey, assign the survey to substitute instructor, edit/show notes and change the survey ID.



Survey Details

Survey	Human Resource Management
Instructor	Carlos Hernandez
Course	Human Resource Management
Survey Period	SS11
Type	Paper survey (cover sheet)
Questionnaire	Quest_01
Status	In progress (ready for data)
Survey Created on	05/12/2011 at 10:53:36

Actions

Show cover sheet/form in browser: English

Number of participants for calculating response rate: 20

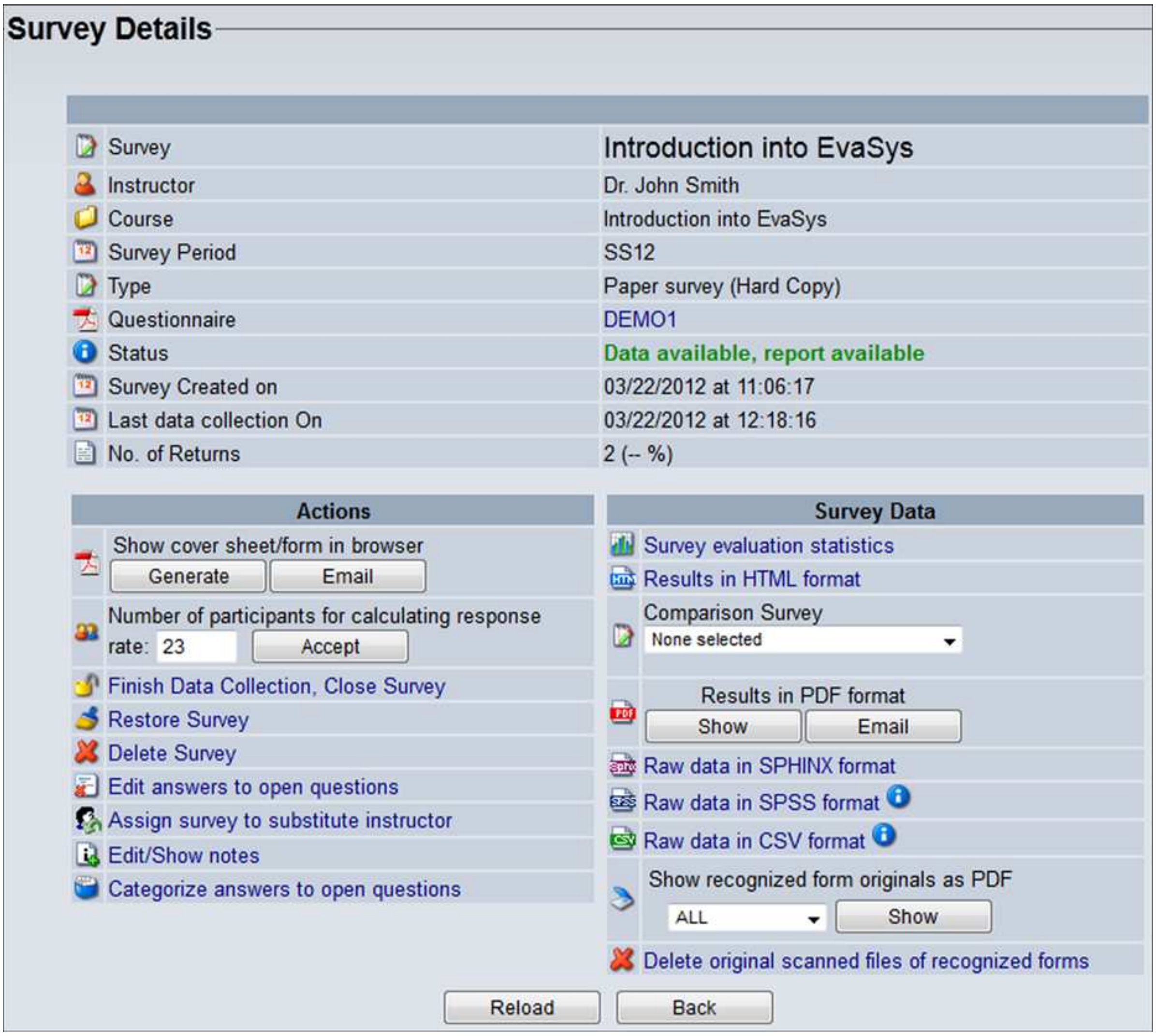
Maintenance

Survey ID: 15956

Show
Email
Accept
Finish Data Collection, Close Survey
Delete Survey
Assign survey to substitute instructor
Edit/Show notes
Change
Reload
Back

Figure 102: Survey Details: Status In Progress (Ready for data)

In the following graphic you can see the evaluation possibilities of a survey, for which data is already available. In this case, considerably more options are available to you. Here you can, for example, display the results in different export formats (i.e. PDF, CSV, SPSS).



Survey Details

Survey	Introduction into EvaSys
Instructor	Dr. John Smith
Course	Introduction into EvaSys
Survey Period	SS12
Type	Paper survey (Hard Copy)
Questionnaire	DEMO1
Status	Data available, report available
Survey Created on	03/22/2012 at 11:06:17
Last data collection On	03/22/2012 at 12:18:16
No. of Returns	2 (-- %)

Number of participants for calculating response rate: 23

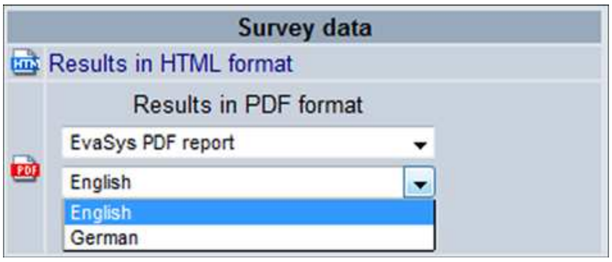
Comparison Survey: None selected

Show recognized form originals as PDF: ALL

Actions
Show cover sheet/form in browser
Generate
Email
Accept
Finish Data Collection, Close Survey
Restore Survey
Delete Survey
Edit answers to open questions
Assign survey to substitute instructor
Edit/Show notes
Categorize answers to open questions
Survey Data
Survey evaluation statistics
Results in HTML format
Results in PDF format
Show
Email
Raw data in SPHINX format
Raw data in SPSS format
Raw data in CSV format
Show
Delete original scanned files of recognized forms
Reload
Back

Figure 103: Survey Details: Survey Status Data available

If your questionnaire is multilingual then you have the option in this view to display the form in the various languages.



Results in PDF format: EvaSys PDF report, English

Survey data
Results in HTML format
English
German

Figure 104: Select Report Language

After scanning the questionnaires you can display the PDF report in the language of the questionnaire.

In the PDF report you will see the text of the letter or the legend in the linked system language. All of the questionnaire texts are produced in the selected language.

If reports have already been created on the basis of the questionnaire used, it is possible to display these data as comparative profile lines in the PDF report. To do this, select the relevant report from the area “Comparison Survey” and open the PDF report. The profile line will now be automatically extended by a comparative line. To create the comparative reports with the report creator, please see chapter B 5.2.3. “Creating Summary Reports”.

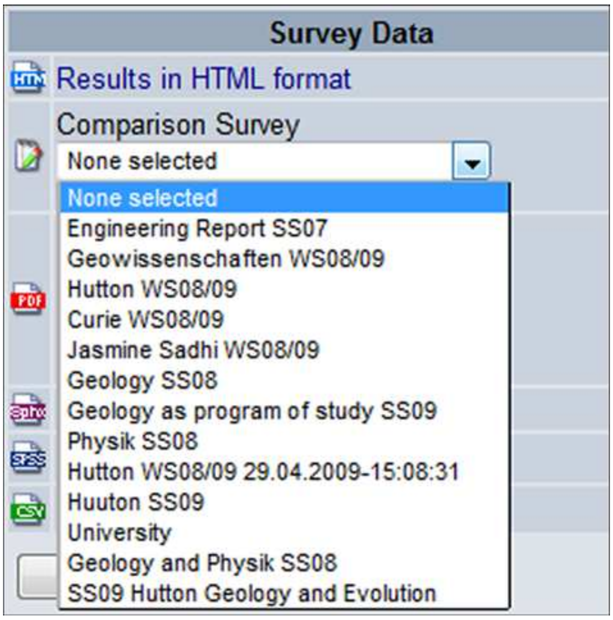

Survey Data
Results in HTML format
Comparison Survey
None selected
None selected
Engineering Report SS07
Geowissenschaften WS08/09
Hutton WS08/09
Curie WS08/09
Jasmine Sadhi WS08/09
Geology SS08
Geology as program of study SS09
Physik SS08
Hutton WS08/09 29.04.2009-15:08:31
Huuton SS09
University
Geology and Physik SS08
SS09 Hutton Geology and Evolution

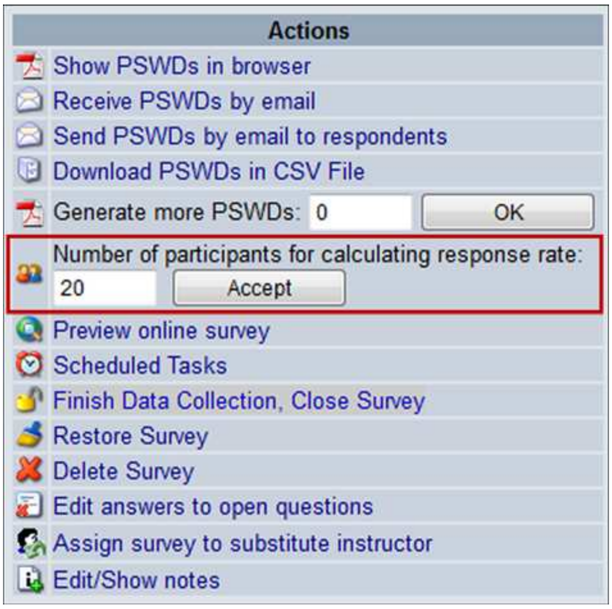
Figure 105: Comparison Surveys for the PDF Report

3.4.2. Number of Participants to Calculate the Response Rate

By default, the number of participants deposited in the properties of a course is used as the number of participants of the survey. This is stated in the details of a survey. It serves as the basis for calculating the response percentage of a survey, if the mode of calculation in the central system settings is set on the number of course participants (“System Settings/EvaSys Settings/Survey/Method of calculating the response rate”).

Should a different number of participants be noted in a new survey period for a course surveyed several times (i.e. by importing new participant data), this number is adopted for surveys of the current and future periods. Surveys of this course from past survey periods show the original number of participants in the survey details, so that the response rates of past surveys are also calculated correctly.

In some cases, it may be necessary to change the number of participants retrospectively, if, for example, the number of participants needs to be changed for a period that has expired. To do this, the corrected number of participants can be deposited in the survey details and with a click on [Accept], saved for the survey. The response rate, appearing in the survey overview or in the survey details or in the PDF report, is now based on this corrected number of participants.


Actions
Show PSWDs in browser
Receive PSWDs by email
Send PSWDs by email to respondents
Download PSWDs in CSV File
Generate more PSWDs:
OK
Number of participants for calculating response rate:
Accept
Preview online survey
Scheduled Tasks
Finish Data Collection, Close Survey
Restore Survey
Delete Survey
Edit answers to open questions
Assign survey to substitute instructor
Edit/Show notes

Generate more PSWDs: 0

Number of participants for calculating response rate: 20

Figure 106: Survey Details: Number of Participants to Calculate the Response Rate

Note:
The number of participants noted for the survey only influences the calculation of the response rate. Functions such as batch printing of questionnaires are not influenced. In the system settings the number of participants must be selected as the method of calculation for response rates (“System Settings/EvaSys Settings/Survey/Method of calculating the response rate“).

3.4.3. Delete Function for Responses to Open Questions

As Administrator you have the option to delete responses to open questions.

This is especially helpful when empty images with only the edges visible have been saved or when the empty field has been crossed out.

In order to use the delete function, you must activate it in the settings (“EvaSys Settings/Functions/Deletion of Responses to Open Questions”).

With a click on the icon you will open the window with all of the responses to the open questions of this survey. The responses are either displayed as image or, if they have already been anonymized, as text field. These have a red background. In order to delete all of the selected responses, click on the [Delete]-button at the bottom of the window.

3.4.4. Assign a Survey to a Substitute Instructor

If a course is taken over by a substitute instructor at short notice, an evaluated survey can be transferred from the original instructor to the other instructor.

To do this, click within the survey details on “Assign survey to substitute instructor”:

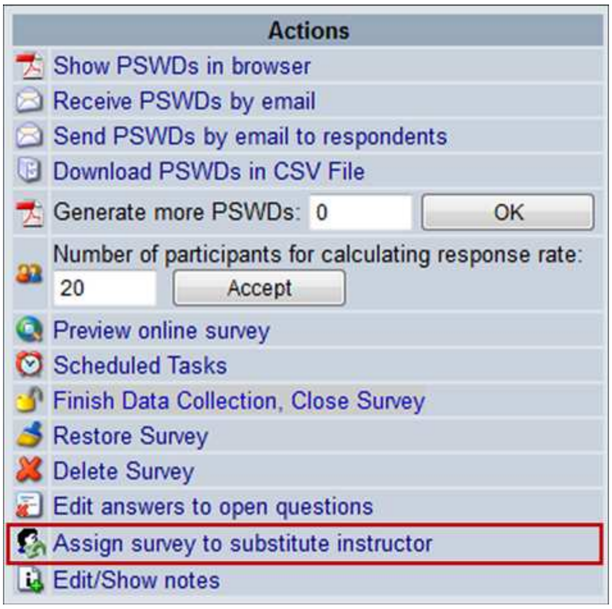
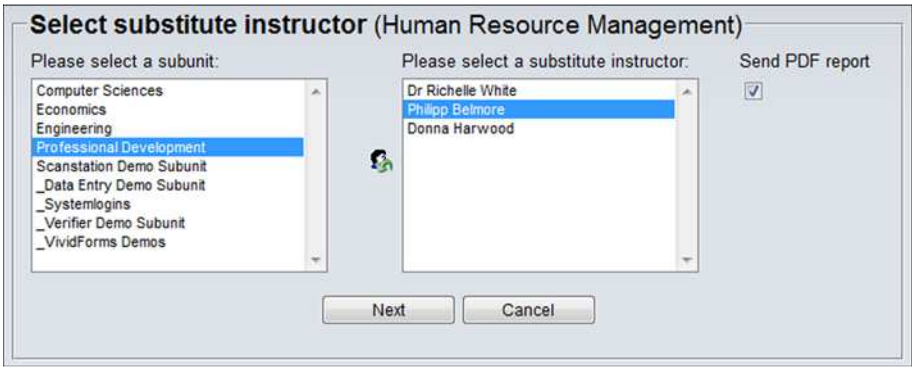

Actions
Show PSWDs in browser
Receive PSWDs by email
Send PSWDs by email to respondents
Download PSWDs in CSV File
Generate more PSWDs: 0
OK
Number of participants for calculating response rate:
20
Accept
Preview online survey
Scheduled Tasks
Finish Data Collection, Close Survey
Restore Survey
Delete Survey
Edit answers to open questions
Assign survey to substitute instructor
Edit/Show notes

Figure 107: Survey Details: Assign this Survey to a Substitute

In the following dialogue you can select the subunit as well as a substitute from the list of instructors:


Select substitute instructor (Human Resource Management)

Please select a subunit: Professional Development

Please select a substitute instructor: Philipp Belmore

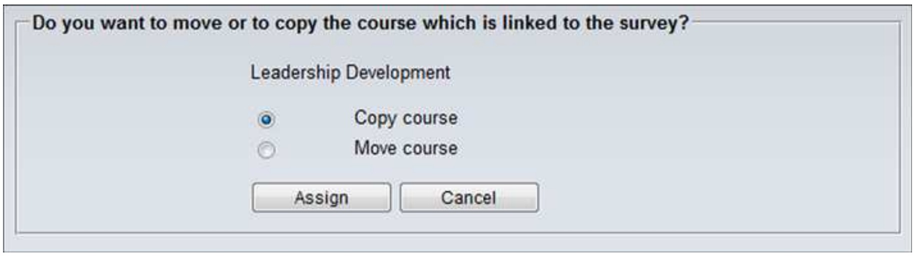
Send PDF report ☑

Computer Sciences
Economics
Engineering
Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins
_Verifier Demo Subunit
_VividForms Demos
Dr Richelle White
Philipp Belmore
Donna Harwood
Next
Cancel

Figure 108: Select Substitute Instructor

The checkbox “Send PDF report” permits the dispatch of PDF reports to the substitute instructors again. To continue, click on [Next].

The survey will then be assigned to a substitute instructor (and is then no longer existent for the original instructor). If there is only one survey for the course that is to be moved, EvaSys will ask whether the associated course is to be moved as well:


Do you want to move or to copy the course which is linked to the survey?

Leadership Development

● Copy course
○ Move course

Assign
Cancel

Figure 109: Selection Window: Copy or Move the Course

Click on [Assign] to complete the procedure.

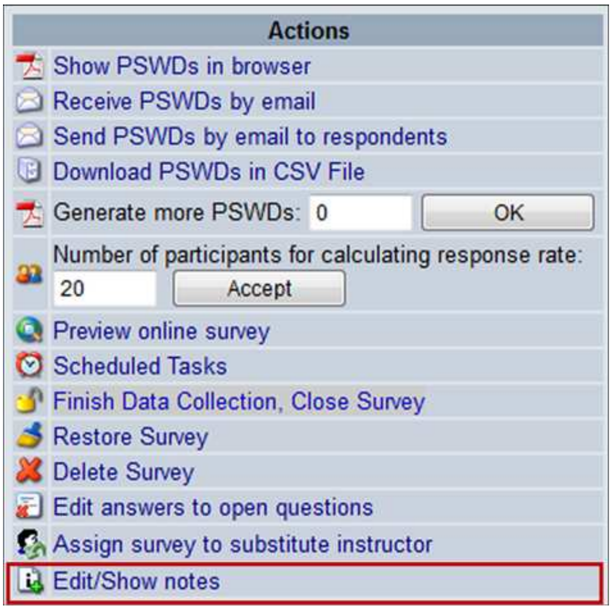
If there are several surveys for one course, the course will always be automatically copied, since it has to remain with the original instructor for the assignment to other surveys.

3.4.5. Editing/Displaying Notes

The notes function supports the communication between the different user roles in EvaSys. A user can link a memo with a survey. Notes always refer, therefore, to a particular survey and their history is accessible to all users. All notes can be edited or deleted by the authors at any time.

This function is particularly useful in regard to the QM screens. The instructors can thus comment on the determined results. Deans or department heads can then inspect these notes as well as add their own.

To add a note to a survey, call up the survey details through a click on the survey name. Click on [Edit/Show notes]:

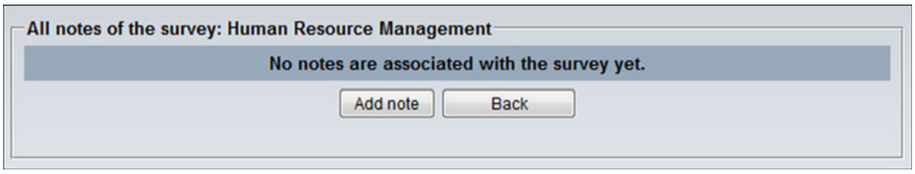

Actions
Show PSWDs in browser
Receive PSWDs by email
Send PSWDs by email to respondents
Download PSWDs in CSV File
OK
Accept
Preview online survey
Scheduled Tasks
Finish Data Collection, Close Survey
Restore Survey
Delete Survey
Edit answers to open questions
Assign survey to substitute instructor
Edit/Show notes

Generate more PSWDs: 0

Number of participants for calculating response rate: 20

Figure 110: Survey Details: Add Note

Then click on [Add note]:



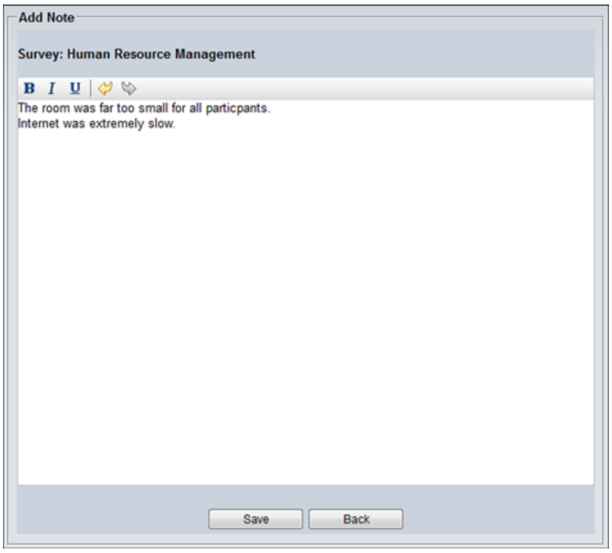
All notes of the survey: Human Resource Management

No notes are associated with the survey yet.

Add note
Back

Figure 111: Add Note

An input window appears with which, text can also be formatted:

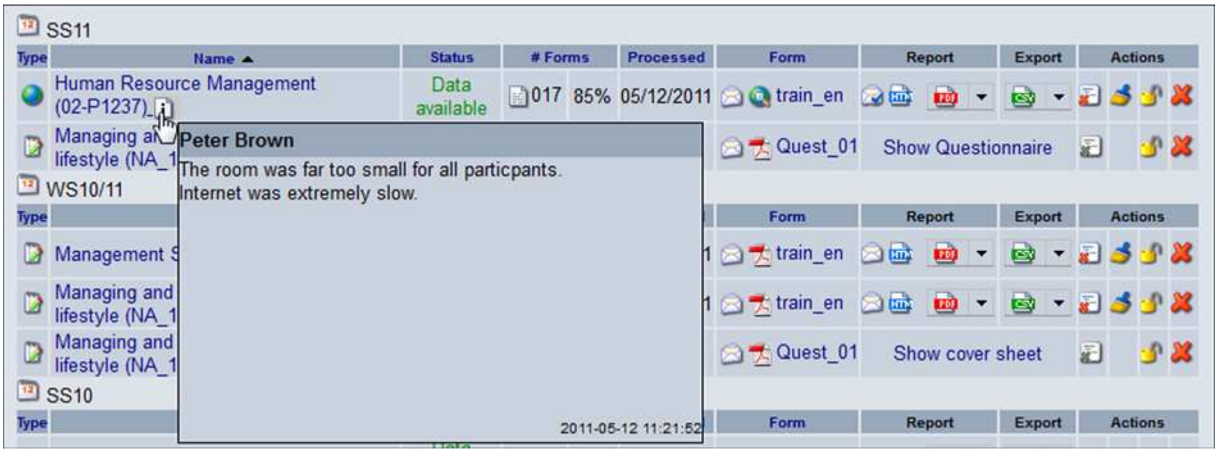

Add Note
B I U
Save
Back

Survey: Human Resource Management

The room was far too small for all particpants.
Internet was extremely slow.

Figure 112: Editing a Note

After a click on [Save] the entries are saved. In the survey overview, the symbol ℹ now appears next to the survey name. When the mouse is moved over the symbol, the most recently entered note appears in a window next to the cursor:


SS11
Type
Name
Status
# Forms
Processed
Form
Report
Export
Actions
Human Resource Management (02-P1237)
Data available
017
85%
05/12/2011
train_en
Managing an
lifestyle (NA_1
Quest_01
Show Questionnaire
WS10/11
Management S
train_en
Managing and
lifestyle (NA_1
train_en
Managing and
lifestyle (NA_1
Quest_01
Show cover sheet
SS10

Peter Brown

The room was far too small for all particpants.
Internet was extremely slow.

2011-05-12 11:21:52

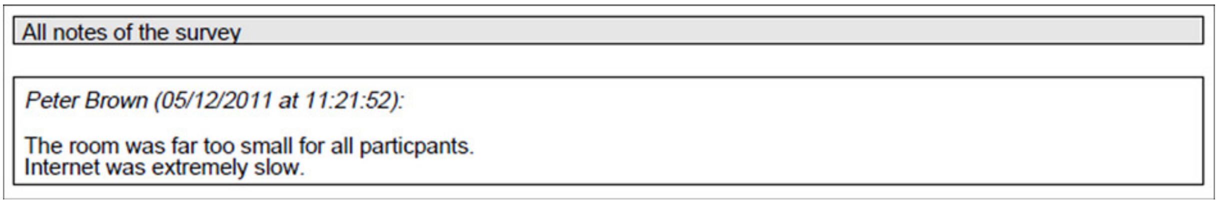
Figure 113: Course with Note

In the case of the QM screens, two types of symbols can appear next to the survey name:

- ℹ - symbol Notes exist
- ℹ - symbol Notes do not yet exist

Editing notes later is only possible for the respective authors.

Additionally, these notes can be displayed in the PDF report. To do this, activate the option “Show notes in the PDF report” under “System Settings/Report Settings/Configuration”.



All notes of the survey

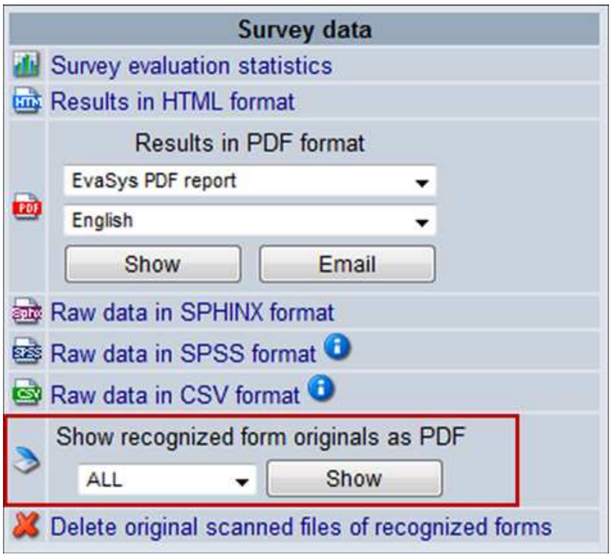
Peter Brown (05/12/2011 at 11:21:52):

The room was far too small for all particpants.
Internet was extremely slow.

Figure 114: All Notes of the Survey in the PDFReport

3.4.6. Show recognized form originals as PDF

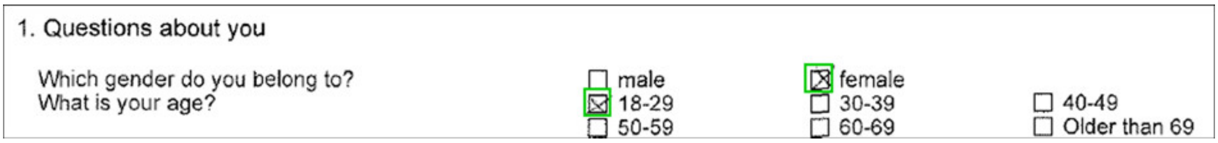
The option “Show recognized form originals as PDF” in the survey details allows the originally scanned forms to be displayed. The forms are displayed as a PDF file and can be opened as a whole or for each single questionnaire.



Survey data
Survey evaluation statistics
Results in HTML format
Results in PDF format
EvaSys PDF report
English
Show
Email
Raw data in SPHINX format
Raw data in SPSS format
Raw data in CSV format
Show recognized form originals as PDF
ALL
Show
Delete original scanned files of recognized forms

Figure 115: Survey Details: Show recognized form originals as PDF

After selecting whether you view the entirely or only one questionnaire, simply click on [Show]. The original scanned forms are displayed. Green boxes show which check-marks were recognized by the VividForms Reader and therefore provides a quick overview of the recognition process. This option is available for paper based surveys.



1. Questions about you

Which gender do you belong to? ☐ male ☒ female
What is your age? ☒ 18-29 ☐ 30-39 ☐ 40-49 ☐ 50-59 ☐ 60-69 ☐ Older than 69

Figure 116: Show recognized form originals as PDF

3.4.7. Maintenance

In the area of maintenance, you can change the survey ID, as long as the changing of the survey ID in Settings/EvaSys Settings/Maintenance is activated.

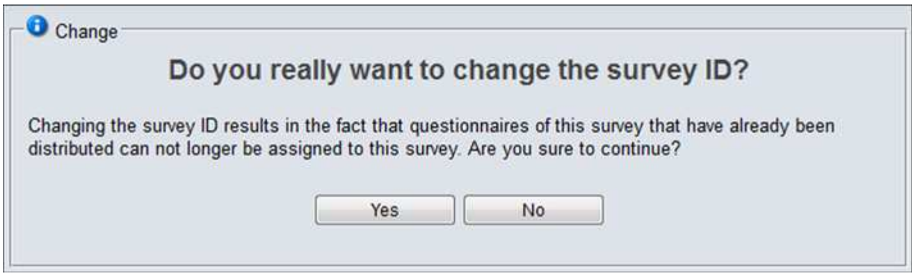
This can become necessary, for example, if you have distributed questionnaires in the self print process with a different/incorrect survey ID. To enable you to assign these completed questionnaires to your survey anyway, you must replace the ID of the existing survey with the survey ID of the questionnaires distributed.

Note:

You cannot change the survey ID if the results of the survey are in the “Web verifier” mode. This means, that the survey ID is protected while the results of your survey are being processed by the verifier. As soon as the verification is complete, you can alter the survey ID as accustomed.

Changing the survey ID leads to questionnaires already distributed no longer being able to be assigned to this survey! For this reason, only change the survey ID after careful consideration. Should you have any questions, our support team is happy to help.

To change the survey ID, enter your chosen ID in the survey ID field, and then click on [change]. The new survey ID must consist of five characters. The following window opens automatically:



Change

Do you really want to change the survey ID?

Changing the survey ID results in the fact that questionnaires of this survey that have already been distributed can not longer be assigned to this survey. Are you sure to continue?

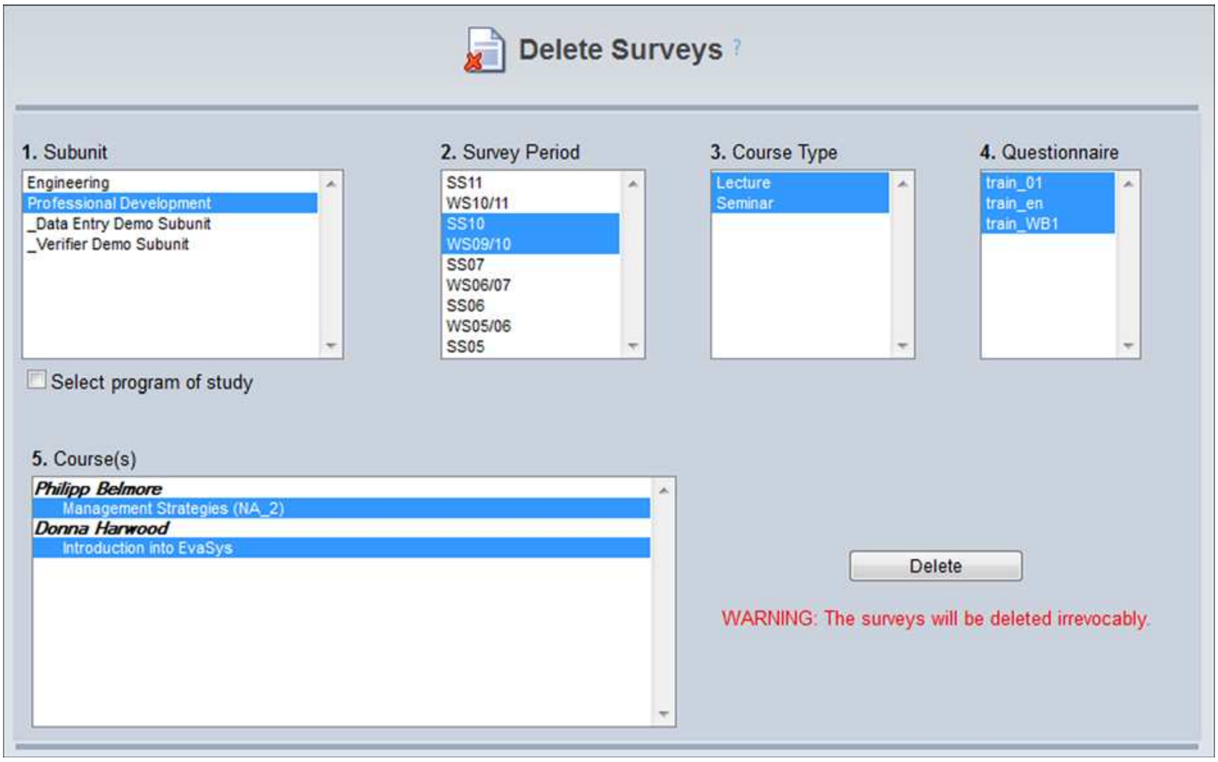
Figure 117: Confirmation of the Changing of the Survey ID

After confirming this prompt, your survey receives a new survey ID.

Note:

As a rule, you should only change the survey ID after careful consideration. Should you have any questions, please direct them to our support team.

3.5. Delete Survey


Delete Surveys
1. Subunit
Engineering
Professional Development
_Data Entry Demo Subunit
_Verifier Demo Subunit
☐ Select program of study
2. Survey Period
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06
SS05
3. Course Type
Lecture
Seminar
4. Questionnaire
train_01
train_en
train_WB1
5. Course(s)
Philipp Belmore
Management Strategies (NA_2)
Donna Harwood
Introduction into EvaSys
Delete

WARNING: The surveys will be deleted irrevocably.

Figure 118: Deleting Surveys

This function allows you to delete large numbers of surveys.

As with all other dialogs you have an “intelligent” option which only displays the valid options.

Select:

1. One or more subunits
2. One or more survey periods
3. One or more course types
4. One or more questionnaires
5. One or more courses

After clicking on [Delete] the data will be deleted from the system.

The deletion process may take between a couple of seconds and a few minutes, depending on the amount and size of the surveys selected.

Note:

Please keep in mind that the deletion cannot be undone and that the deleted data is lost forever.

In order to save the raw data before deleting surveys use the archiving function.

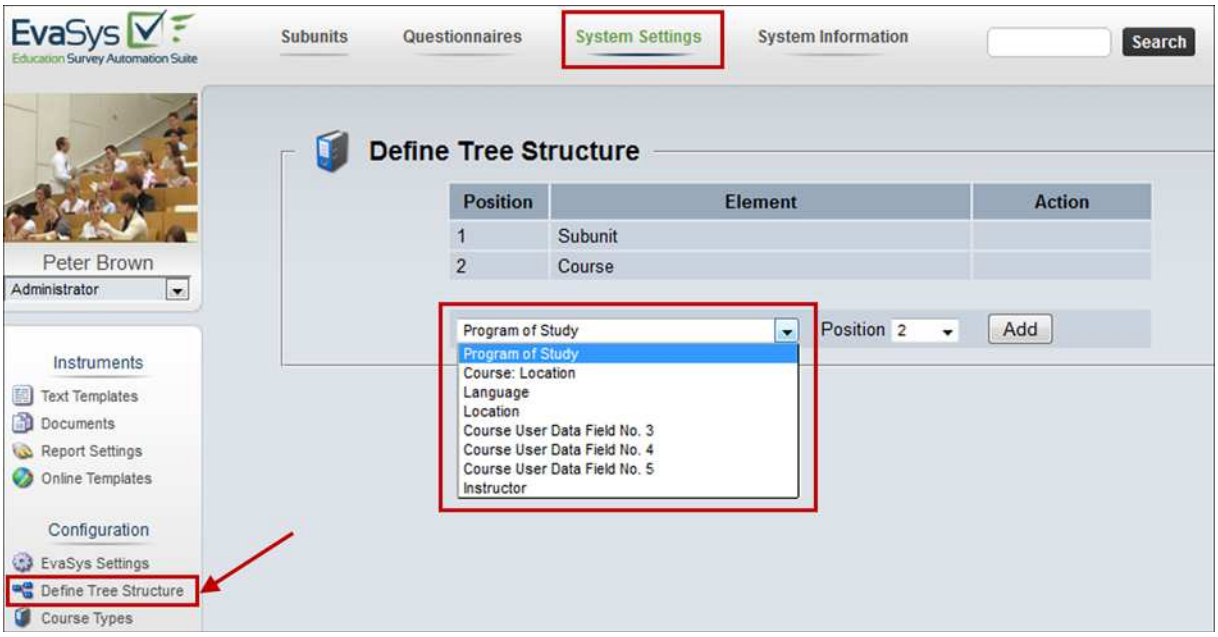
3.6. Tree Structure

In the menu “Tree Structure”, it is possible to view the structure of subunits, instructors and classes built in the system in a hierarchical tree structure. Also hidden layers such as the program of study or the user defined fields of a course can be made visible and used for survey administration. Furthermore, the features of display, creation and deletion of surveys as described in previous sections can be undertaken directly via the tree structure.

Displaying the organizational structure is enabled in the system by default. If necessary, this display can be switched in the system settings (“System Settings/EvaSys Settings/Functions/Open Tree Structure”).

The arrangement and number of levels displayed is preset in the menu “System Settings/Define Tree Structure”. As a framework here, the two levels “Subunit” and “Course” are displayed. If necessary, additional levels such as program of study, instructor etc. can be inserted.

In the drop-down menu below the structure list, apart from the instructor all levels which are linked with the course, i.e. program of study, room and the five user-definable data fields (in this example only two are used, namely language and location) are available.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Program of Study
Course: Location
Language
Location
Course User Data Field No. 3
Course User Data Field No. 4
Course User Data Field No. 5
Instructor
Add

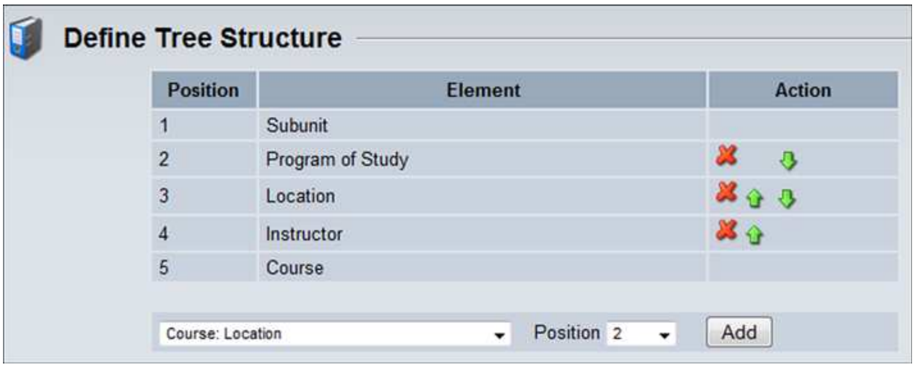
Define Tree Structure

Position	Element	Action
1	Subunit	
2	Course	

Program of Study
Position 2

Figure 119: Setting up the Tree Structure

To add a level to the tree structure, select the appropriate level from the drop-down list and determine its position. Afterwards click [Add]. The selected level is now displayed in the desired location in the list of levels. Continue in the same way with all other desired levels.



Define Tree Structure

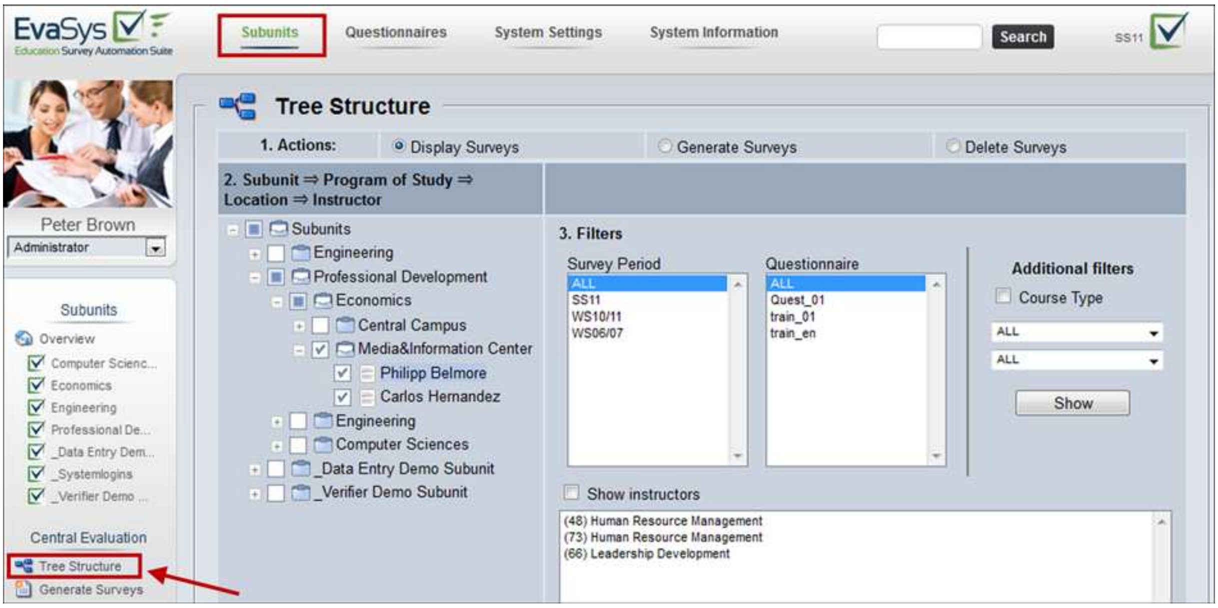
Position	Element	Action
1	Subunit	
2	Program of Study	✗ ↓
3	Location	✗ ↑ ↓
4	Instructor	✗ ↑
5	Course	

Course: Location ▾ Position 2 ▾ Add

Figure 120: Edit the Tree Structure

The individual levels added can be moved up or down one step at a time retrospectively via the arrows in the area “Action”. With the help of the red cross icon, a level can be deleted from the list. The framework levels “Subunit” and “Course” can neither be moved nor deleted.

As soon as the tree structure has been set up in the menu “System Settings”, it can be displayed in the menu “Subunits”. To do this, click on the entry “Tree Structure” in the left context menu. The tree structure opens in an overview.


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Subunits
Overview
Computer Scienc...
Economics
Engineering
Professional De...
_Data Entry Dem...
_Systemlogins
_Verifier Demo ...
Central Evaluation
Tree Structure
Generate Surveys

Tree Structure

1. Actions: ● Display Surveys ○ Generate Surveys ○ Delete Surveys

2. Subunit ⇒ Program of Study ⇒ Location ⇒ Instructor

- ▣ Subunits
  - ☐ Engineering
  - ▣ Professional Development
    - ▣ Economics
      - ☐ Central Campus
      - ☑ Media&Information Center
        - ☑ Philipp Belmore
        - ☑ Carlos Hernandez
    - ☐ Engineering
    - ☐ Computer Sciences
  - ☐ _Data Entry Demo Subunit
  - ☐ _Verifier Demo Subunit

3. Filters

Survey Period: ALL, SS11, WS10/11, WS06/07

Questionnaire: ALL, Quest_01, train_01, train_en

Additional filters: ☐ Course Type; ALL ▾; ALL ▾; Show

☐ Show instructors

(48) Human Resource Management
(73) Human Resource Management
(66) Leadership Development

Figure 121: Tree Structure in the menu Subunits

In the header of the menu three different actions are available: Display Surveys, Generate Surveys and Delete Surveys.

In the left menu area, the tree structure of the organization is displayed. By clicking on the name of an element or the button [+], the respective underlying level can be opened up. Use the selection boxes next to the relevant entries to define which surveys or courses should be displayed in the right window. When an element of a higher level is selected, all elements on the levels below are automatically selected too.

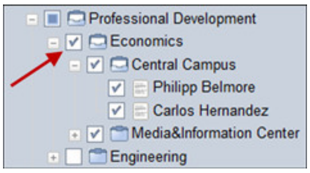

☐ Professional Development
☑ Economics
☑ Central Campus
☑ Philipp Belmore
☑ Carlos Hernandez
☑ Media&Information Center
☐ Engineering

Figure 122: Tree Structure: Selecting the Levels

By clicking on the level name in the header of the list, all elements of a level can be displayed or hidden.

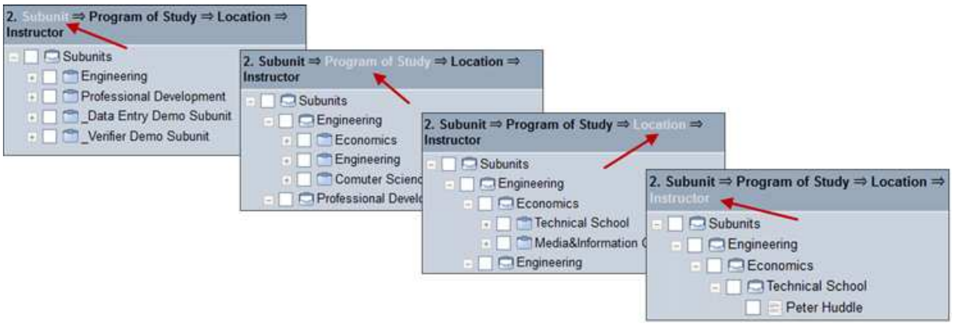
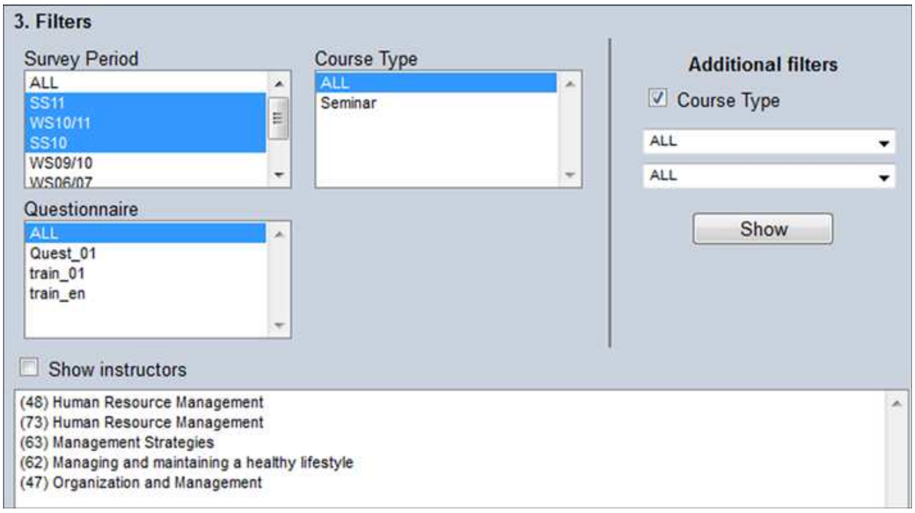

2. Subunit ⇒ Program of Study ⇒ Location ⇒ Instructor
Subunits
Engineering
Professional Development
_Data Entry Demo Subunit
_Verifier Demo Subunit
2. Subunit ⇒ Program of Study ⇒ Location ⇒ Instructor
Subunits
Engineering
Economics
Engineering
Comuter Scienc
Professional Devel
2. Subunit ⇒ Program of Study ⇒ Location ⇒ Instructor
Subunits
Engineering
Economics
Technical School
Media&Information C
Engineering
2. Subunit ⇒ Program of Study ⇒ Location ⇒ Instructor
Subunits
Engineering
Economics
Technical School
Peter Huddle

Figure 123: Tree Structure: Opening and Closing Levels

3.6.1. Display Surveys

To display surveys in the tree structure, select the option “Display Surveys” in the actions panel. On the left side, select the levels to be displayed in the view of the surveys you require, by checking the appropriate boxes. Then select the desired survey periods and questionnaires on the right. If necessary, these can also be filtered according to course type, by activating the option “Course Type”. The display can be refined by different types of surveys and status by using the drop-down menus.

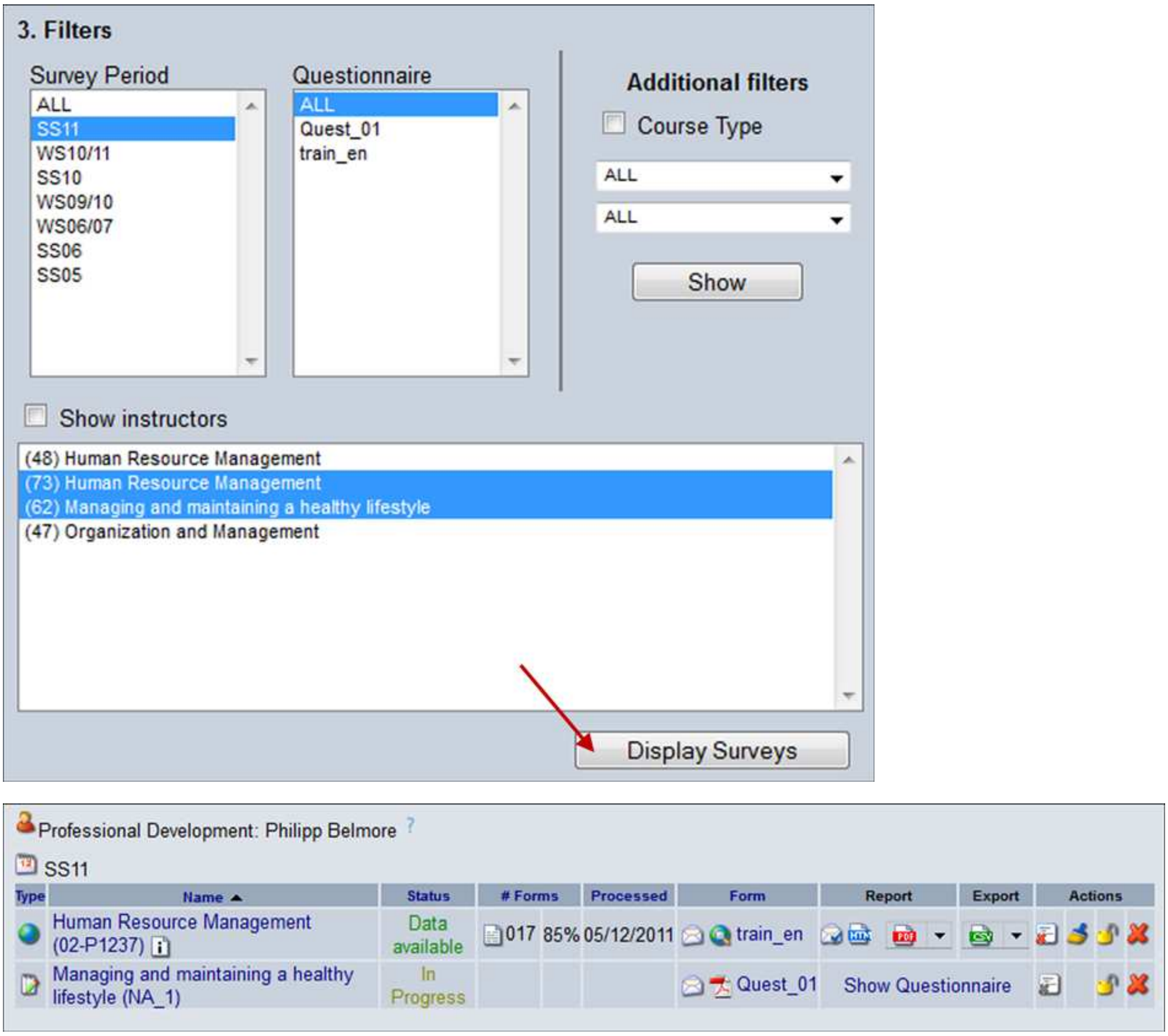

3. Filters
Survey Period
ALL
SS11
WS10/11
SS10
WS09/10
WS06/07
Course Type
ALL
Seminar
Additional filters
☑ Course Type
ALL
ALL
Show
Questionnaire
ALL
Quest_01
train_01
train_en
☐ Show instructors

(48) Human Resource Management
(73) Human Resource Management
(63) Management Strategies
(62) Managing and maintaining a healthy lifestyle
(47) Organization and Management

Figure 124: Tree Structure: Select Courses

By clicking on the button [Show], the courses are shown in the list. If required, the name of the instructor can also be shown by activating the option “Show instructors”.

By using the control button and mouse clicks, any number of courses can now be selected. After clicking on [Display Surveys] you are redirected to the survey list of the desired surveys.


3. Filters
Survey Period
ALL
SS11
WS10/11
SS10
WS09/10
WS06/07
SS06
SS05
Questionnaire
ALL
Quest_01
train_en
Additional filters
☐ Course Type
ALL
ALL
Show
☐ Show instructors
Display Surveys

(48) Human Resource Management
(73) Human Resource Management
(62) Managing and maintaining a healthy lifestyle
(47) Organization and Management

Professional Development: Philipp Belmore

SS11

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Human Resource Management (02-P1237)	Data available	017 85%	05/12/2011	train_en			
	Managing and maintaining a healthy lifestyle (NA_1)	In Progress			Quest_01	Show Questionnaire		

Figure 125: Tree Structure: Display Surveys

3.6.2. Generating Surveys

In order to use the tree structure to create new surveys, in the panel actions select the option “Generate Surveys”. On the left, select the levels in which you would like to generate the surveys by checking the appropriate boxes. Then, on the right, select the required survey periods and questionnaires. If necessary, you can also filter according to course type, by activating the option “Course Type”. By clicking on the button [Show], the courses are displayed in the list. If required, the name of the instructor can be displayed by selecting “Show instructors”.

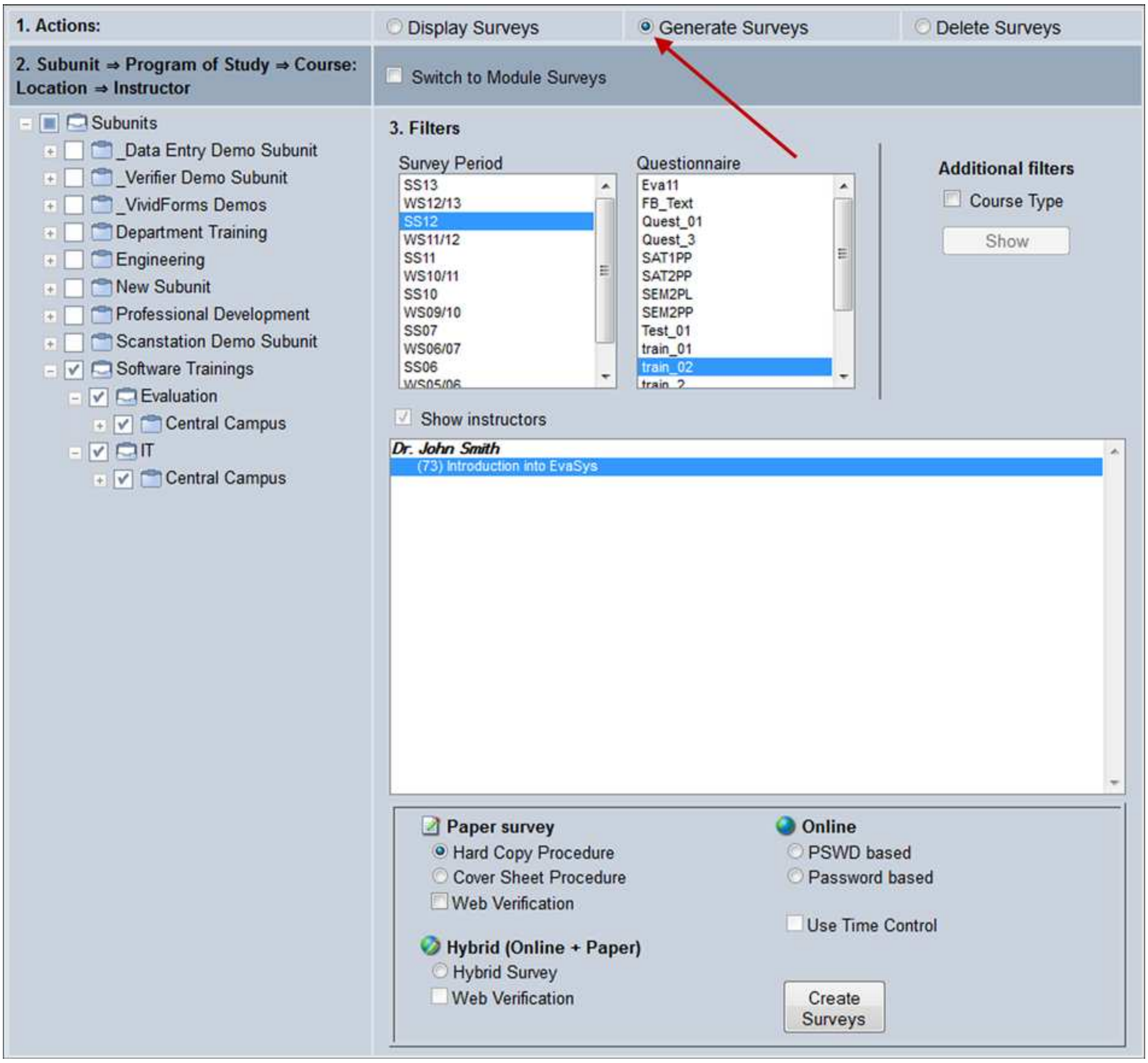
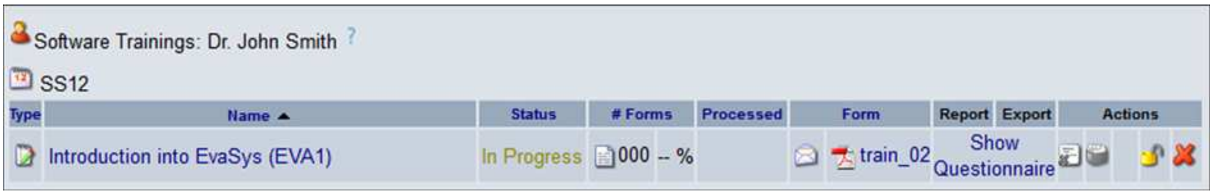

1. Actions:
○ Display Surveys
● Generate Surveys
○ Delete Surveys
2. Subunit ⇒ Program of Study ⇒ Course: Location ⇒ Instructor
☐ Switch to Module Surveys
Subunits
☐ _Data Entry Demo Subunit
☐ _Verifier Demo Subunit
☐ _VividForms Demos
☐ Department Training
☐ Engineering
☐ New Subunit
☐ Professional Development
☐ Scanstation Demo Subunit
☑ Software Trainings
☑ Evaluation
☑ Central Campus
☑ IT
☑ Central Campus
3. Filters
Survey Period
SS13
WS12/13
SS12
WS11/12
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06
Questionnaire
Eva11
FB_Text
Quest_01
Quest_3
SAT1PP
SAT2PP
SEM2PL
SEM2PP
Test_01
train_01
train_02
train_2
Additional filters
☐ Course Type
Show
☑ Show instructors
Dr. John Smith
(73) Introduction into EvaSys
Paper survey
● Hard Copy Procedure
○ Cover Sheet Procedure
☐ Web Verification
Hybrid (Online + Paper)
○ Hybrid Survey
☐ Web Verification
Online
○ PSWD based
○ Password based
☐ Use Time Control
Create Surveys

Figure 126: Tree Structure: Generating Surveys

By using the mouse and the control key, any number of courses can be selected for which a survey is to be generated. At the bottom of the window the various types of surveys and their additional options (verification, timing) are available. Select a type of survey and, if necessary, the additional options and click the button [Create Survey]. The survey is created and you will be automatically redirected to the survey list.


Software Trainings: Dr. John Smith

SS12

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Introduction into EvaSys (EVA1)	In Progress	000	-- %	train_02	Show Questionnaire		

Figure 127: Tree Structure: Redirection to the Survey List

In addition to simple surveys, you can also create module surveys using the tree structure. To do so, activate the option “Switch to Module Surveys.” The System will then only display those subunits which contain modules. Select the period and the module, as well as the type of survey you wish to create, and click [Generate Surveys].

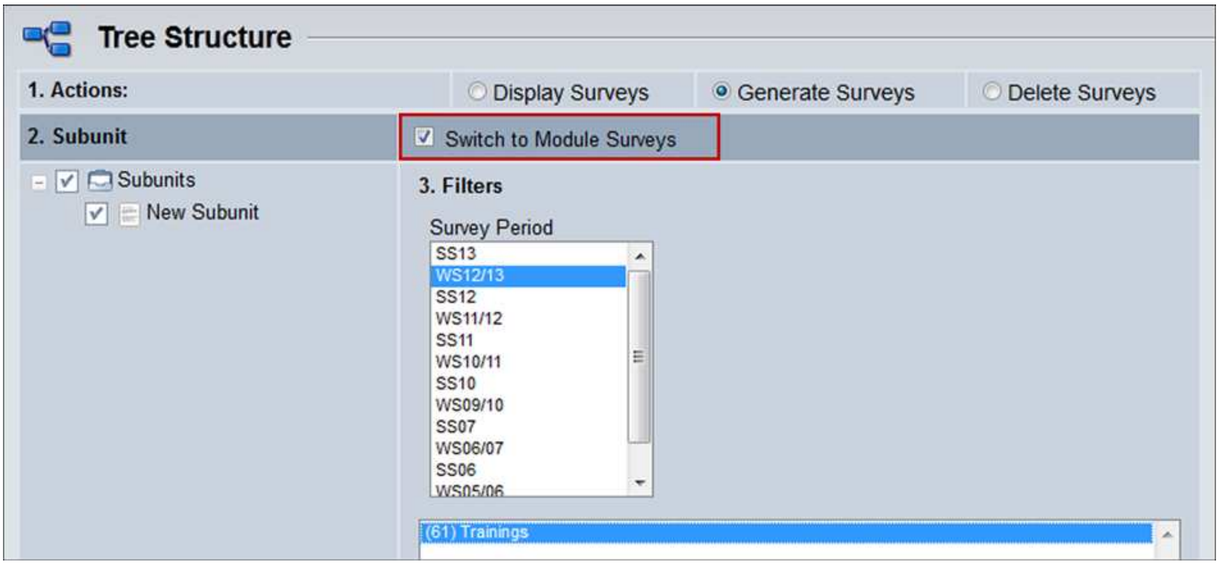
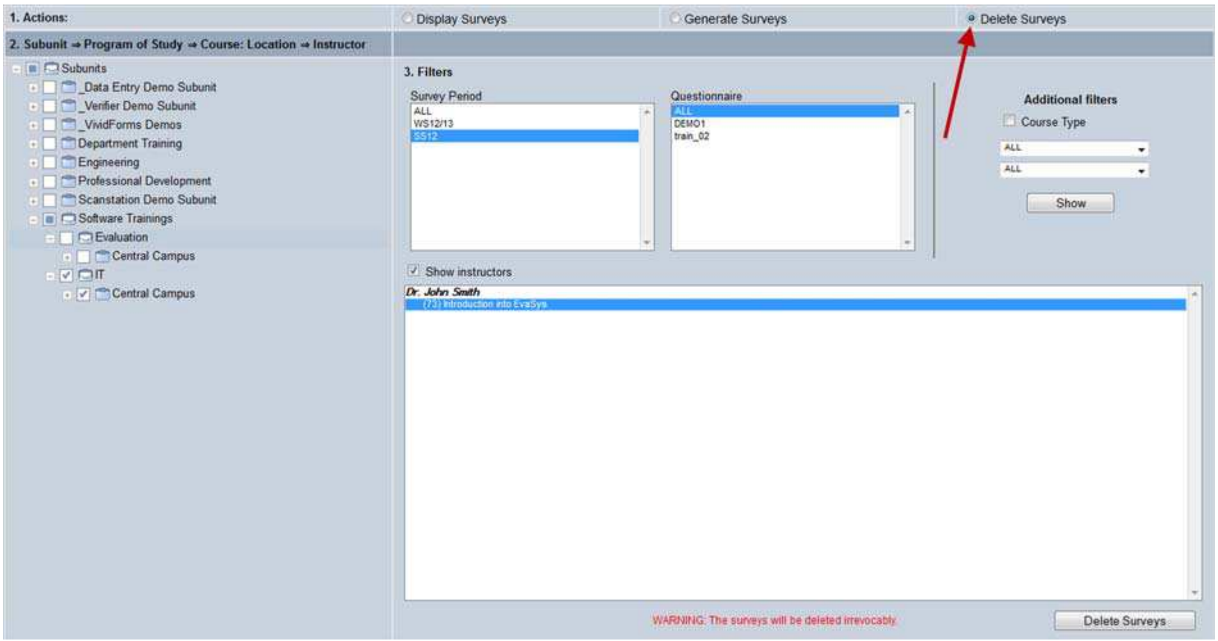

Tree Structure
1. Actions:
○ Display Surveys
● Generate Surveys
○ Delete Surveys
2. Subunit
☑ Switch to Module Surveys
☑ Subunits
☑ New Subunit
3. Filters
Survey Period
SS13
WS12/13
SS12
WS11/12
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06
(61) Trainings

Figure 128: Tree Structure: Creating Module Surveys

3.6.3. Deleting Surveys

To delete surveys using the tree structure, select the option “Delete Surveys” in the actions panel. On the left, select the levels in which you wish to delete surveys. Then, on the right, select the desired survey periods and the questionnaires. If necessary, you can also filter according to course type, by activating the option “Course Type”.

By clicking on the button [Show], the courses are displayed in the list. If required, the name of the instructor can be displayed by selecting “Show instructors”.


1. Actions:
○ Display Surveys
○ Generate Surveys
● Delete Surveys
2. Subunit → Program of Study → Course: Location → Instructor
Subunits
☐ _Data Entry Demo Subunit
☐ _Verifier Demo Subunit
☐ _VividForms Demos
☐ Department Training
☐ Engineering
☐ Professional Development
☐ Scanstation Demo Subunit
Software Trainings
☐ Evaluation
☐ Central Campus
☑ IT
☑ Central Campus
3. Filters
Survey Period
ALL
WS12/13
SS12
Questionnaire
ALL
DEMO1
train_02
Additional filters
☐ Course Type
ALL
ALL
Show
☑ Show instructors
Dr. John Smith
(73) Introduction into EvaSys
Delete Surveys

WARNING: The surveys will be deleted irrevocably.

Figure 129: Tree Structure: Deleting Surveys

Select the desired course whose surveys are to be deleted and click on [Delete Surveys]. The surveys are now irrevocably deleted from the system.

3.7. Conducting a Paper Survey

3.7.1. Production of Questionnaires

When using the cover sheet procedure, questionnaires are given to a printing company for production and are then used as needed for surveys. The cover sheets can be centrally produced and distributed to the instructors. Alternatively the cover sheets can be sent to the instructor by email.

In the hard copy procedure the questionnaires adapted for specific surveys are either produced centrally or by email delivery to instructors.

Printing and mailing of the questionnaires is able directly from the details of every single one survey (see chapter B 3.4. "Survey Details"). Alternatively the batch events are available to produce questionnaires en masse (see chapter B 3.11. "Batch Events ").

3.7.2. Document Quality

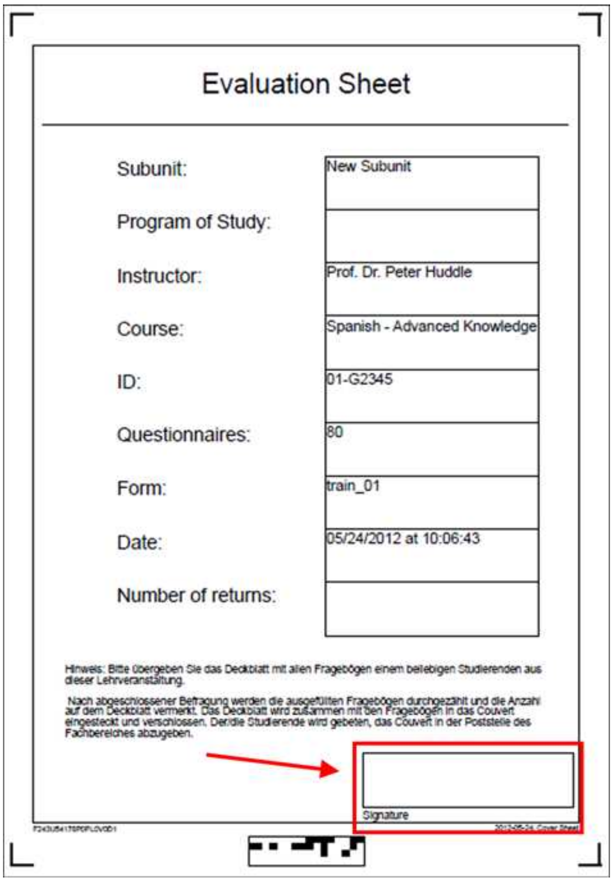
The quality of the paper and the print image is critical for the scanning and processing stages.

We discourage the use of gray recycled paper due to the gray shadows which can appear.

Note that when producing questionnaires using private printers or copiers the printer driver is set up for A4 size paper and the copies should vary, due to tilting or enlargement/reduction, only marginally from the original. The tolerance range for such image discrepancies is about 10% of an edge length. The general rule is that clearly visible changes to the original document should be avoided.

3.7.3. Signature on Cover Sheet

The cover sheet of a cover sheet survey can, where desired, be fitted with a signature field for the instructors of the relevant course. This function allows for the explicit consent of the instructors in the further processing of the evaluation data as well as their unencrypted email dispatch.



Evaluation Sheet

Subunit:	New Subunit
Program of Study:	
Instructor:	Prof. Dr. Peter Huddle
Course:	Spanish - Advanced Knowledge
ID:	01-G2345
Questionnaires:	80
Form:	train_01
Date:	05/24/2012 at 10:06:43
Number of returns:	

Hinweis: Bitte übergeben Sie das Deckblatt mit allen Fragebögen einem beliebigen Studierenden aus dieser Lehrveranstaltung.

Nach abgeschlossener Befragung werden die ausgefüllten Fragebögen durchgezählt und die Anzahl auf dem Deckblatt vermerkt. Das Deckblatt wird zusammen mit den Fragebögen in das Couvert eingesteckt und verschlossen. Der/die Studierende wird gebeten, das Couvert in der Poststelle des Fachbereiches abzugeben.

Signature

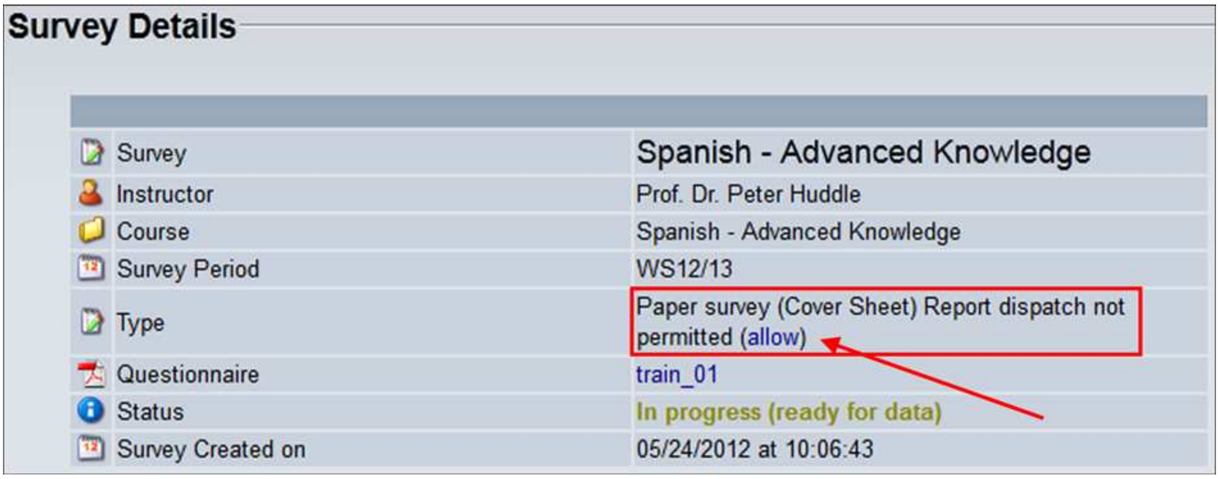
2012-05-24 Cover Sheet

Figure 130: Cover Sheet Procedure: Cover Sheet with Signature Field

To use this function, it must first be activated by the administrator in the configuration. To do this, go to “System Settings/EvaSys Settings/Survey” and activate “PDF Report dispatch only on instructor´s signature”. In addition, in the menu “System Settings/ EvaSys Settings/Email Functions & Accounts” the option “Conditional email report dispatch” must be set to the value “survey”. Furthermore, the explanatory text printed on the cover sheet can be adapted and provided with the required information for the instructors. For this, save the desired text at “System Settings/EvaSys Settings/VividForms/Cover Sheet Text”.

Now, with each cover sheet survey, the cover sheet is automatically provided with a signature field. When scanning, the system checks whether a signature is present in the appropriate field. If no signature can be identified then the email dispatch of PDF reports is suppressed. The administrator or subunit administrator can access and print the report in the survey details, but cannot send it by email. Also, features such as automatic dispatch processes do not apply.

To enable the survey to be sent retrospectively - where necessary, after consultation with the instructor and examination of the survey - the email dispatch can be manually overridden in the details of the survey.



Survey Details

Survey	Spanish - Advanced Knowledge
Instructor	Prof. Dr. Peter Huddle
Course	Spanish - Advanced Knowledge
Survey Period	WS12/13
Type	Paper survey (Cover Sheet) Report dispatch not permitted (allow)
Questionnaire	train_01
Status	In progress (ready for data)
Survey Created on	05/24/2012 at 10:06:43

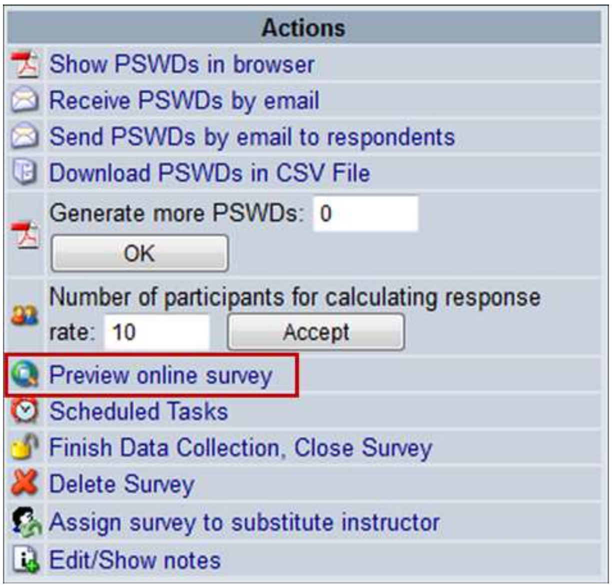
Figure 131: Cover Sheet Procedure: Allow Report Dispatch

3.8. Effective Management and Conduction of Online Surveys

3.8.1. Preview Online Survey

You have the possibility of displaying a preview of your online survey, either in the details of a survey or in the questionnaire details.

In the details of a survey, as you can see in the following graphic, click in the area “Actions” on “Preview online survey”.



Actions

Show PSWDs in browser

Receive PSWDs by email

Send PSWDs by email to respondents

Download PSWDs in CSV File

Generate more PSWDs: 0 OK

Number of participants for calculating response rate: 10 Accept

Preview online survey

Scheduled Tasks

Finish Data Collection, Close Survey

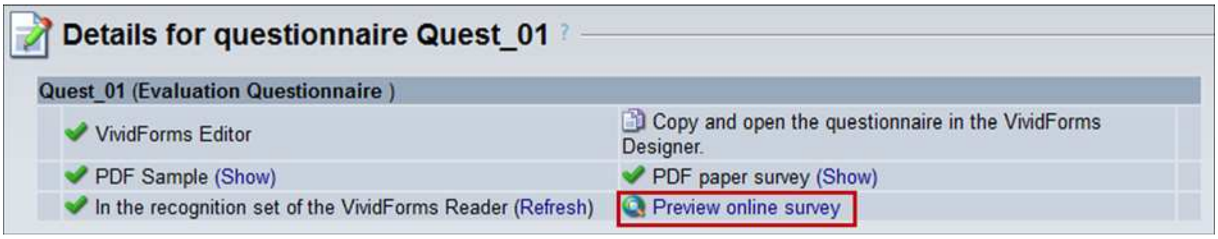
Delete Survey

Assign survey to substitute instructor

Edit/Show notes

Figure 132: Preview of an Online Survey in the Survey Details

You can also display a preview of your online survey in the details of a questionnaire by clicking on “Preview online survey”.

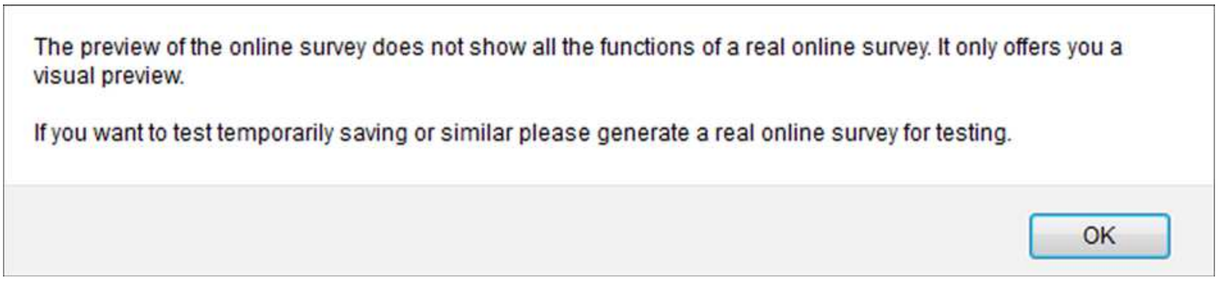


Details for questionnaire Quest_01

Quest_01 (Evaluation Questionnaire)	
✓ VividForms Editor	Copy and open the questionnaire in the VividForms Designer.
✓ PDF Sample (Show)	✓ PDF paper survey (Show)
✓ In the recognition set of the VividForms Reader (Refresh)	Preview online survey

Figure 133: Preview of an Online Survey in the Questionnaire Details

In both cases (calling up the preview of your online survey in the survey details or questionnaire details) you will receive the following warning:



The preview of the online survey does not show all the functions of a real online survey. It only offers you a visual preview.

If you want to test temporarily saving or similar please generate a real online survey for testing.

Figure 134: Warning Message of a Preview of the Online Survey

This warning makes you aware that the preview of your online survey is not a real online survey, but solely offers you a visual preview.

Hint:
In order to test filters, cross tabulations or temporary saving, we recommend that you create a test survey with your questionnaire. When you have created the test survey, display the PSWDs in the browser and fill out the survey once. This procedure allows you to fully test your online survey. On successful completion, you can delete this test survey and create your regular online survey.

3.8.2. Generating and Managing Time Scheduled Online Surveys

EvaSys provides the option to run time-controlled surveys for PSWD-based online surveys.

The following actions can be controlled:

- Starting the survey and dispatching the PSWDs by email to the respondents
- Reminder to respondents per email (with PSWD)
- Sending a message to the instructor/trainer or another user in the event that survey returns are below a certain value
- Closing the online survey and, if necessary sending an email with evaluation report to the instructors.

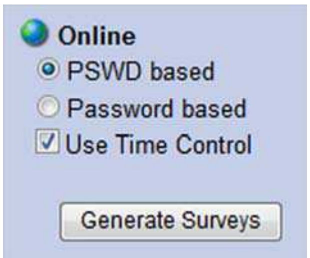
These actions are managed separately in the so-called “Scheduled Tasks“.

The activation and settings of the time-triggered control system are dependent on each survey. That means that the process of each online survey can be separately controlled. An overview of all planned operations can be found in the menu [Subunits/ Scheduled Tasks].

Hint:
Because you can set the time-triggered control at any time you can send emails at a time when there is relatively little traffic (usually at night).

- Activate time-triggered control

  To activate the time-triggered control when generating an online survey put a checkmark in the box. You can always activate the time-triggered control at a later date by using the menu item in te survey detail view.



Online
● PSWD based
○ Password based
☑ Use Time Control

Figure 135: Time Control

After generating the survey you can define the planned operations for the survey in the following view.

In the header is the name and number of the survey. By clicking [Next survey] and [Previous survey] you can navigate between the surveys.

In the view beneath the header there are three actions which can be activated and controlled separately. Clicking on the button [Edit] will take you to the action you want.

After generating the survey all actions are deactivated by default. By clicking on [Activate] you can activate the operation.

The next sections give a detailed description of the individual actions/operations.

- Operation “PSWD to respondent”

  The “PSWD to Respondent” operation starts the online survey. That means that the participants to the survey receive an email with the login information.

  For this email you can define the following details:

  - Sender Email (Default: Email address from the system settings)
  - Sender Name (Default: Email address from the system settings)
  - Subject Line of email (Default: Subject line from the setting “Text Template”)
  - Text of email – The email text can have placeholders (Default: Email text from the setting “Text Template”)

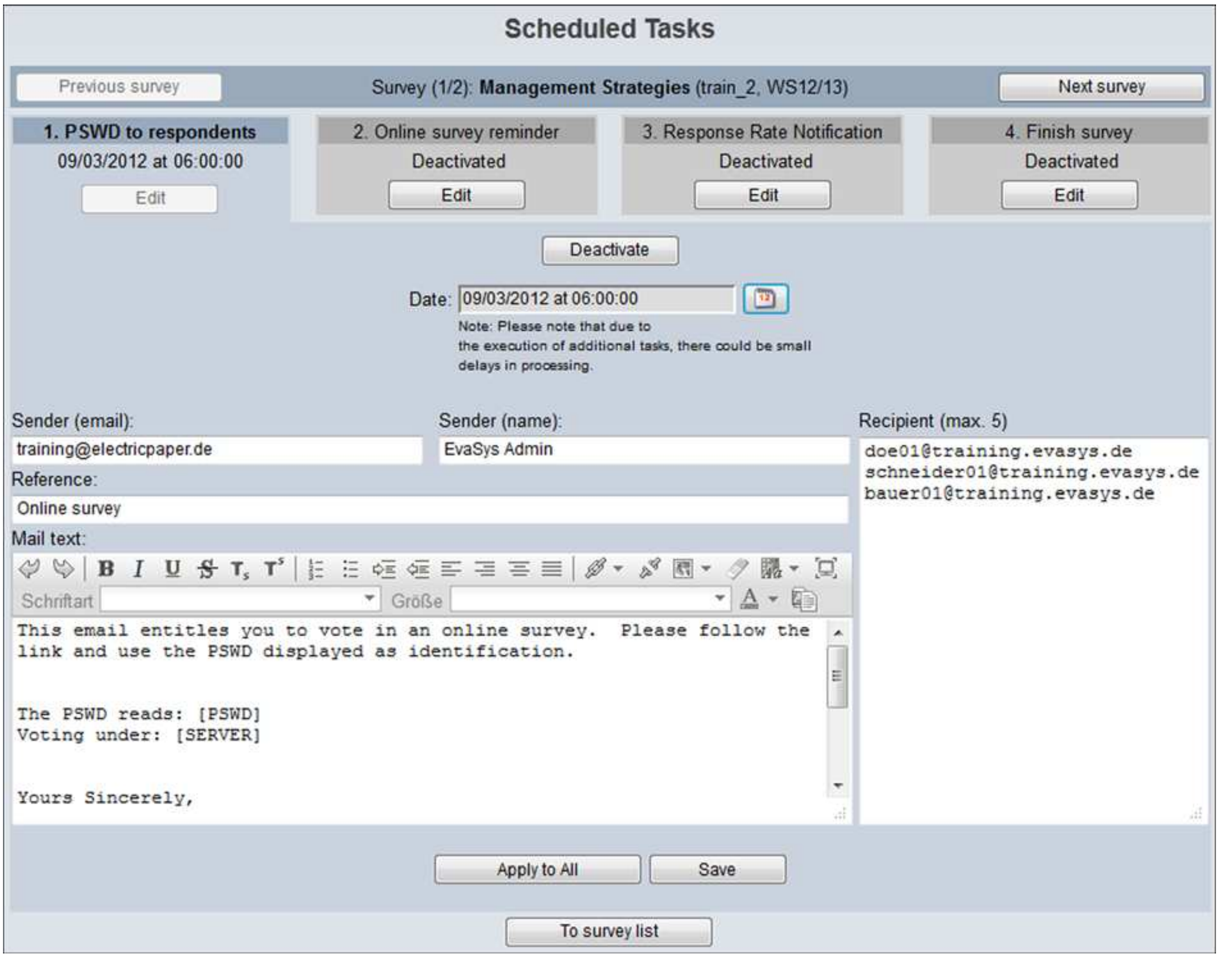
- Email Addresses – List of the email addresses of all respondents

The number of email recipients is limited by the number of available transaction numbers.

The time of the email operation can be defined in the field “Start Date”. A click on the button with the calender symbol opens the calendar. The use of the calendar is explained in the last point of this section.

All settings can be saved by clicking on [Save].

Before saving check syntax of the email addresses (e.g. @). Technical limitations mean that the actual existence of the email addresses cannot be checked. Undelivered email can be found in the EvaSys logbook. The email addresses are saved in the system for reminder emails.



Scheduled Tasks

Survey (1/2): **Management Strategies** (train_2, WS12/13)

1. PSWD to respondents	2. Online survey reminder	3. Response Rate Notification	4. Finish survey
09/03/2012 at 06:00:00	Deactivated	Deactivated	Deactivated

Date: 09/03/2012 at 06:00:00

Note: Please note that due to the execution of additional tasks, there could be small delays in processing.

Sender (email): training@electricpaper.de

Sender (name): EvaSys Admin

Recipient (max. 5):
doe01@training.evasys.de
schneider01@training.evasys.de
bauer01@training.evasys.de

Reference: Online survey

Mail text:

This email entitles you to vote in an online survey. Please follow the link and use the PSWD displayed as identification.

The PSWD reads: [PSWD]
Voting under: [SERVER]

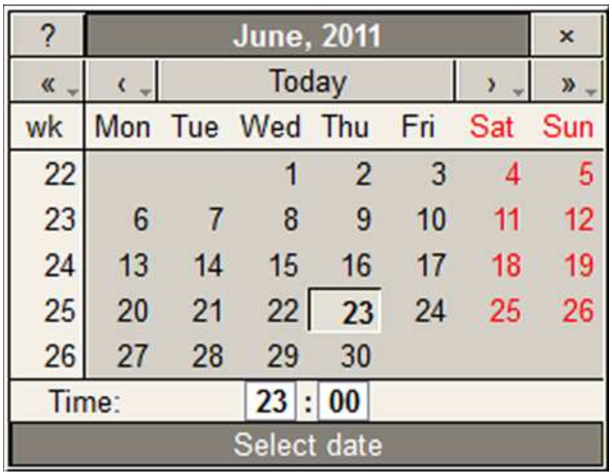
Yours Sincerely,

Figure 136: Define Scheduled Tasks

In general it is possible to assign the date/time and status for all selected surveys using the [Apply to All] button.

- Use of calendar

The calendar is used for selecting the date and time for a planned operation.



wk	Mon	Tue	Wed	Thu	Fri	Sat	Sun
22			1	2	3	4	5
23	6	7	8	9	10	11	12
24	13	14	15	16	17	18	19
25	20	21	22	23	24	25	26
26	27	28	29	30			

Time: 23 : 00

Figure 137: Calendar

All changes in the calendar are adopted by the enter templates behind the calendar. The calendar does not need a save button as it can be closed by “x” after selecting the date and time.

With a click on “?” a help function for the calendar is displayed.

Using the arrow you can change the year and month. Then select a day and in the line beneath a time. The time is increased by 1 hour/minute with each mouse click. By pressing Shift and making a click the time is decreased by 1 hour/minute. For a faster selection, press and hold the mouse button and move the mouse to the left (decreasing time) or to the right (increasing time).

- Operation “Online survey reminder”

  The operation “Online survey reminder” is the dispatch of a reminder email to all respondents who have not yet taken part in the survey.

  In the reminder email you can send the login information once again.

  Optionally, more than just one reminder email can be sent. In this case, select the “Multiple reminders every x days“. The system will then keep resending reminders until the survey is closed.

  After activating this operation, the fields sender email, sender name, subject line and email text can be edited. The recipients are automatically read out of the system, so that all participants who have not responded receive an email.

  After defining the start date, you have to save the settings of the operation.

  In general it is possible to assign the date/time and status for all selected surveys using the [Apply to All] button.

- Operation “Response Rate Notification”

  You can use “Response Rate Notification” to automatically inform one or more people if the response to a survey is below a certain value at a certain time. This allows you to take steps to motivate survey participants. You can use the calendar to select the time and date that this message should be sent, however it must lie between the first process “PSWD to participants” and the fourth process “End Survey.”

The value, in percent, of the response rate which participation must be under in order for a message to be sent, can be set in “Notification at a response rate below”. Enter the relevant percentage value into the entry field.

The response rate is determined using the calculation method set in EvaSys Settings (Menu “System Settings/EvaSys Settings/Survey/Method of calculating the response rate”). You can choose a method other than the standard method using the drop-down menu.

Course Instructors, the Dean/Subunit Administrator for the subunit in question, and/or any other user in the system with an Instructor/Trainer, Dean/Subunit Manager, Administrator, or Subunit Administrator account can receive the message. Choose the desired recipient from the drop-down list and click [Add]. You can list more than one recipient if necessary.

Use [Save] to save the settings, and [Apply to All] to apply the settings to all other scheduled tasks currently being edited.

You can adapt the text for the email in advance by using the global text templates (Menu “System Settings/Text Templates”) or in the text templates for the relevant questionnaire (“E-MAIL: Notification at low response rate”). For more information on editing text templates, seechapter D 2.1. "Text Templates").

- Operation “Finish survey”

  This operation serves to close the online survey.

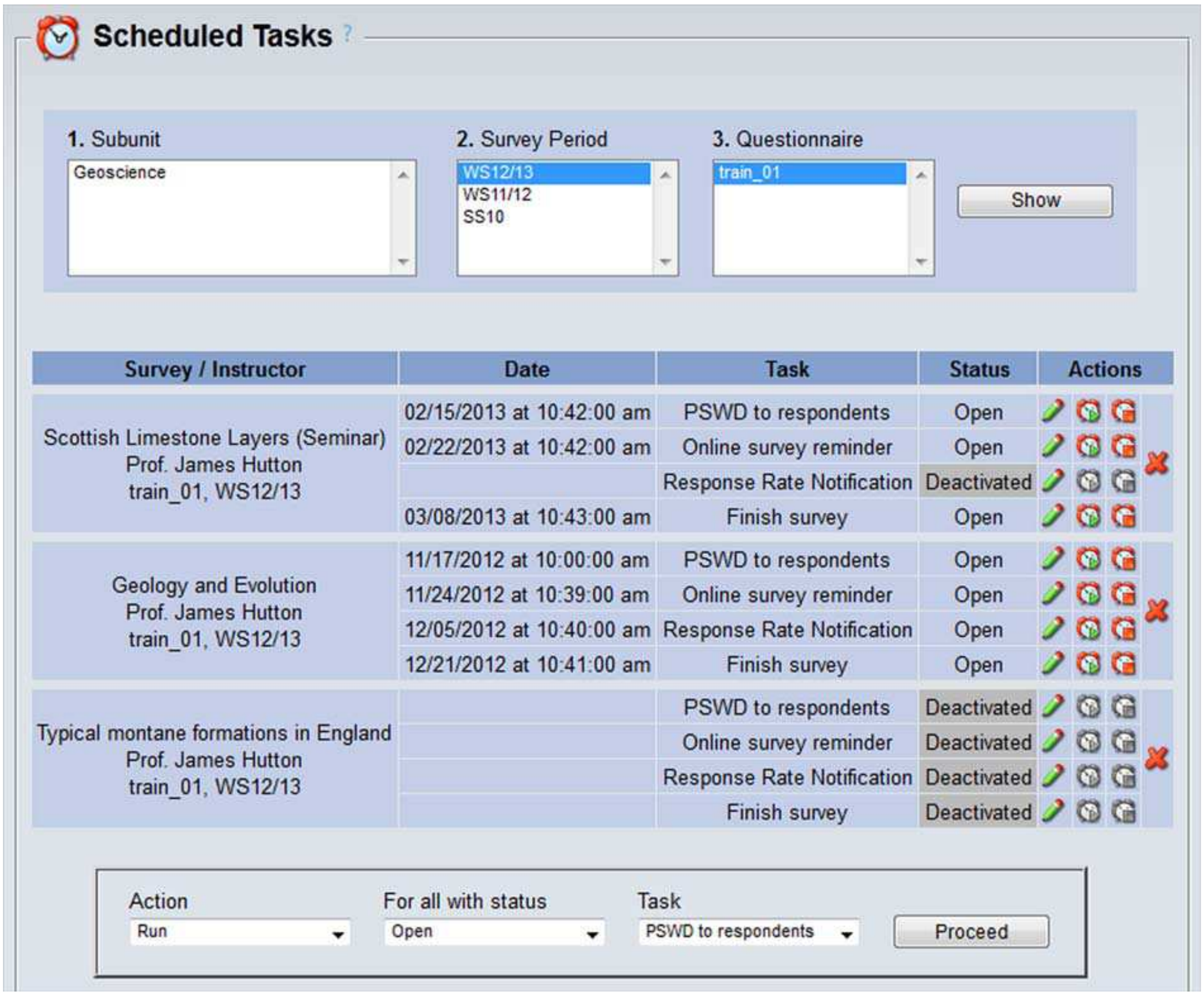
  When the survey is closed then no more returns are possible. Unused PSWDs are then invalid and cannot be used anymore. Survey participants are not informed of this operation.

  The evaluation report can be sent directly to the survey owner. When this is the case then the owner of the survey (i.e. the user allocated to the survey in the system) receives an email of the results of the online survey automatically.

  This operation is terminated by a start date and saved with [Save]. In general it is possible to assign the report delivery date/time, activation status and setting for all selected surveys using the [Apply to All] button .

- Scheduled Online Survey Overview

  In the “Subunit” menu, under “Scheduled Tasks”, you can view and manage all the scheduled tasks for online surveys



Scheduled Tasks

1. Subunit: Geoscience

2. Survey Period: WS12/13, WS11/12, SS10

3. Questionnaire: train_01

Survey / Instructor	Date	Task	Status	Actions
Scottish Limestone Layers (Seminar) Prof. James Hutton train_01, WS12/13	02/15/2013 at 10:42:00 am	PSWD to respondents	Open	✎
	02/22/2013 at 10:42:00 am	Online survey reminder	Open	✎
		Response Rate Notification	Deactivated	✎
	03/08/2013 at 10:43:00 am	Finish survey	Open	✎
Geology and Evolution Prof. James Hutton train_01, WS12/13	11/17/2012 at 10:00:00 am	PSWD to respondents	Open	✎
	11/24/2012 at 10:39:00 am	Online survey reminder	Open	✎
	12/05/2012 at 10:40:00 am	Response Rate Notification	Open	✎
	12/21/2012 at 10:41:00 am	Finish survey	Open	✎
Typical montane formations in England Prof. James Hutton train_01, WS12/13		PSWD to respondents	Deactivated	✎
		Online survey reminder	Deactivated	✎
		Response Rate Notification	Deactivated	✎
		Finish survey	Deactivated	✎

Action: Run

For all with status: Open

Task: PSWD to respondents

Figure 138: Scheduled Tasks: Overview

The display of subunits, survey periods and questionnaires can be restricted.

For each survey, each of the three tasks are displayed in one line. In the column “Status”, the status of the task is evident.

The following status messages are displayed:

- Open – The task is activated and not yet carried out
- Running – The task is now running, emails are being sent.
- Deactivated – The task is deactivated
- Executed – The task has been successfully completed
- Executed with error – The task was completed with error
- Executed with warning – The task was completed but with a warning (e.g. “report could not be created as data was not available”)
- Not completed/with error– The task is not correctly defined and the settings should be checked

You can use these action icons to control the operations you have planned:

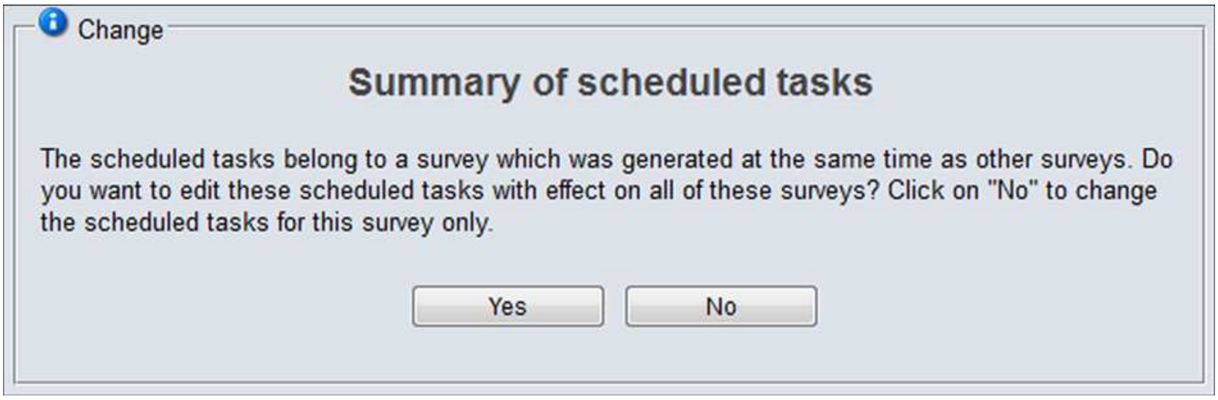
✎ - Modify planned task

⟳ - Immediate execution of task

⊘ - Deactivate task

✖ - Delete all planned tasks in survey

By clicking on the Edit icon, the data of a time controlled task can be retroactively adjusted. Here it can be decided whether the changes made should be applied to all surveys created at the same time, or only to those surveys currently selected.



Summary of scheduled tasks

The scheduled tasks belong to a survey which was generated at the same time as other surveys. Do you want to edit these scheduled tasks with effect on all of these surveys? Click on "No" to change the scheduled tasks for this survey only.

Figure 139: Scheduled Task: Saving changes for all surveys created at the same time

Actions for all surveys with a definite status can be directly performed by selecting from the footer. In this way, for example, all surveys with the status “deactivated” can be edited.

In the drop-down list “Action” you can choose between the actions “Edit”, “Run”, and “Deactivate”. The tasks on which this action should be performed, and with which status, are set in the second drop-down list box. Different statuses are visible here, depending on the selection in the box “Action”. To which task the selection applies can be defined in the last drop-down list “Task”.

In this way, for example, all deactivated tasks in the section “Finish survey” can be edited immediately. Or all open task can be immediately performed, or deactivated.

3.8.3. Sending PSWDs

In online surveys the EvaSys administrator either sends the PSWDs by batch email to the survey participants or sends emails with PDF files containing the PSWDs to the instructors so that they can distribute the PSWDs to the participants directly.

- Batch emails

  The PSWDs are sent to the survey participants using an email address list . This dispatch is carried out by the EvaSys server.

  Using the reminder function you can send an email at a later time to all PSWD recipients who have not yet taken part in the survey.

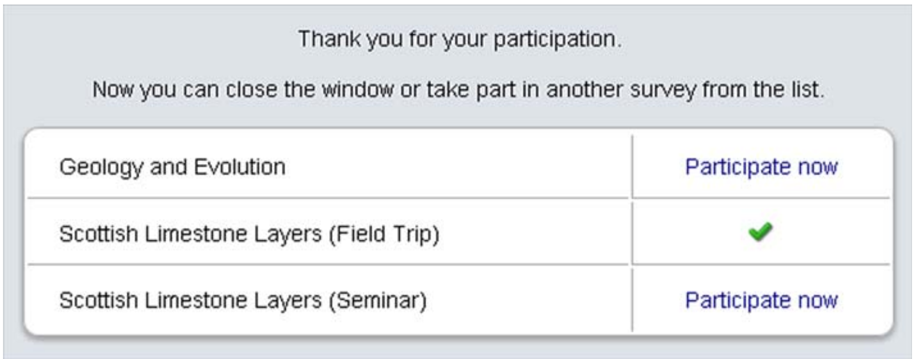
- PSWD cards

  The PSWDs are produced as a PDF document. These PSWD cards have an entry code, the Internet address as well as the name of the survey. These PSWD documents can be either opened by the administrator or sent to the instructor per email.

Hint

Instead of sending the PSWD and the server address for the online evaluation you can use the placeholder [DIRECT_ONLINE_LINK]. This placeholder adds a link to the online survey that contains the server address as well as the PSWD/password. Simply clicking the link therefore shows the online questionnaire.

When a participant who received his PSWD via email participates in an online survey, the system checks whether further surveys are available for the participant. If so, after submitting the form these will be displayed in a list of all previous and pending online surveys of the current period. By clicking on the link “Join now”, the participant is taken directly to the online survey, without further need to identify with a PSWD.



Thank you for your participation.

Now you can close the window or take part in another survey from the list.

Geology and Evolution	Participate now
Scottish Limestone Layers (Field Trip)	✓
Scottish Limestone Layers (Seminar)	Participate now

Figure 140: Online Surveys: List of Surveys after Submitting Form

Should this function not be desired, it can be deactivated in the configuration under “System Settings/ EvaSys Settings/ Survey Online/Display the List of All Current Surveys After Submitting an Online Survey”.

The possibilties of distributing PSWDs are described in chapter B 3.11. "Batch Events ".

3.8.4. Application of QR Codes

To enable online survey respondents with mobile devices convenient access to an online survey, QR codes which include both the information of the URL to the online survey and to the PSWD or password, can be used. Once the QR code has been scanned, the participant is taken directly to the online questionnaire. A mobile device or smartphone with a camera resolution of at least 3 megapixel is needed to correctly recognize the QR code.

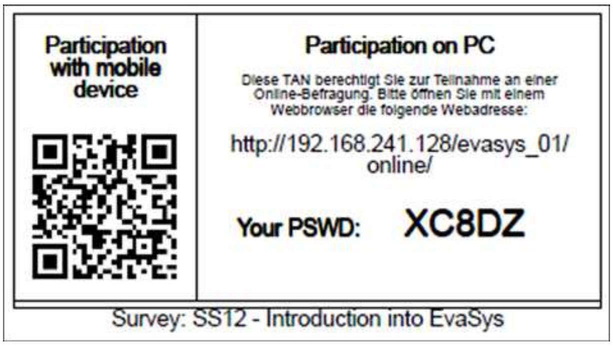
Three possibilities are available for the use of QR codes:

- PSWD based online surveys: The QR code can be displayed on the PSWD cards.

- Single Password online surveys: The QR code can be found in the survey details as a graphic.
- Hybrid Surveys: The QR code can be displayed in the header of the survey and/or displayed on the PSWD cards

The URL contained in the QR code is based upon the URL set in the configuration under “System Settings/EvaSys Settings/Survey Online/Server Address for Direct Online Survey Access”. This may not exceed 80 characters in length.

In order to show the QR Code on the PSWD cards for PSWD based surveys, the corresponding card format must be set in the system configuration. To do this, select in the menu “System Settings/EvaSys Settings/Survey Online/Format PSWD Document” the option 5 (= 3x8 PSWDs per page (A4) with QR Code) or 6 (3x6 PSWDs per page (Letter) with QR Code). The PSWD cards will now show the QR codes.



Participation with mobile device

Participation on PC

Diese TAN berechtigt Sie zur Teilnahme an einer Online-Befragung. Bitte öffnen Sie mit einem Webbrowser die folgende Webadresse:

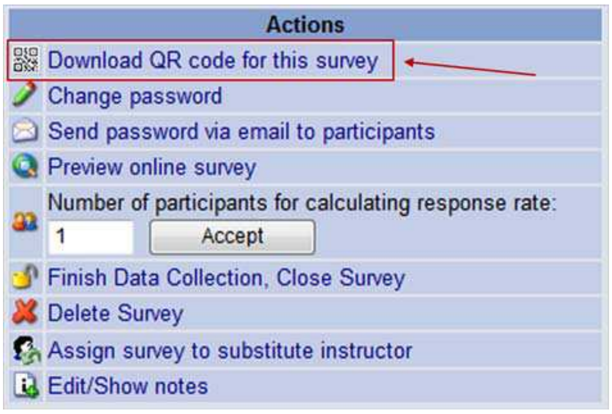
http://192.168.241.128/evasys_01/online/

Your PSWD: XC8DZ

Survey: SS12 - Introduction into EvaSys

Figure 141: QR Code: Display on PSWD Cards

In the case of single password online surveys, the QR code can be downloaded as a graphic file in the details of a survey. Click the option “Download QR Code for this survey”. The QR code will be downloaded as a png file and can be used for posters, announcements etc.



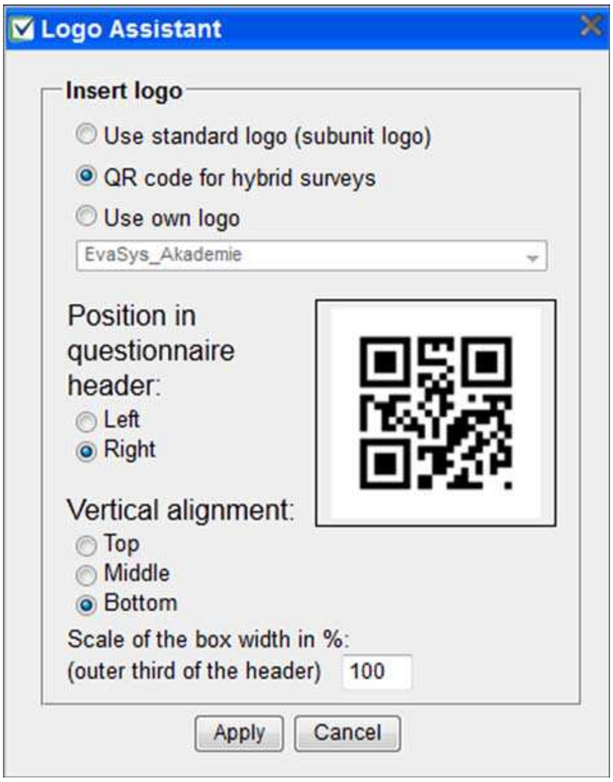
Actions
Download QR code for this survey
Change password
Send password via email to participants
Preview online survey

Number of participants for calculating response rate: 1

Accept
Finish Data Collection, Close Survey
Delete Survey
Assign survey to substitute instructor
Edit/Show notes

Figure 142: QR Code: Download for Password Based Surveys

In hybrid surveys, the QR code can be printed on the paper questionnaire, allowing the participants to retrieve the online survey form as an alternative to paper. This setting must already be made when creating the questionnaire in VividForms Editor. To do so, click in the Edit view of the VividForms editor on the logo in the header section of the questionnaire. Then in the logo wizard, select the option “QR code for hybrid surveys”. The preview now shows an example QR code. After generating the hybrid survey an individual sheet with QR codes can be generated for each participant (To create hybrid surveys see chapter B 3.9. “Conducting Hybrid Surveys”).



Logo Assistant

Insert logo

○ Use standard logo (subunit logo)
● QR code for hybrid surveys
○ Use own logo

EvaSys_Akademie

Position in questionnaire header:
○ Left
● Right

Vertical alignment:
○ Top
○ Middle
● Bottom

Scale of the box width in %:
(outer third of the header) 100

Figure 143: QR Code: Display in Questionnaire Header for Hybrid Surveys

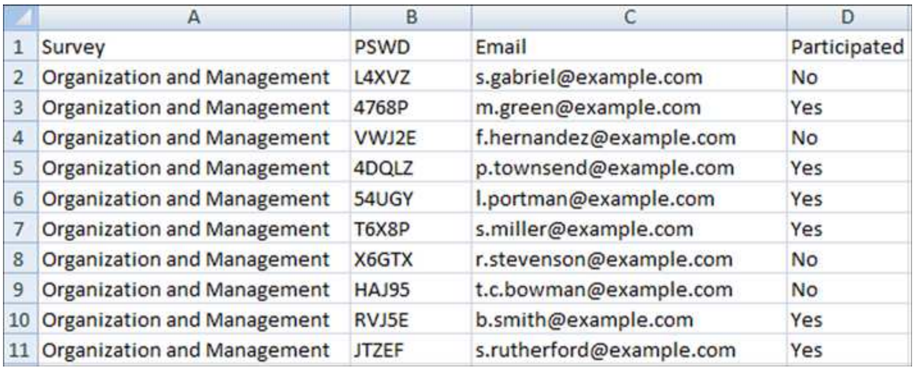
Note:
Only use questionnaires with QR Codes for hybrid surveys. If necessary, create a copy of the questionnaire if you would like to use it for hard copy surveys.

3.8.5. Participation Tracking

Participation tracking enables you to create a CSV file where all of the used and non-utilized PSWDs of your online surveys are listed.

In online surveys whose PSWDs have been sent by email to the respondents, the participation tracking allows for easier identification of those participants who haven’t taken part in a survey. Whilst preserving the anonymity of survey participants who have already completed their questionnaire, participants who, in spite of their invitation, have not yet used their PSWD, can be identified by their email address. In the menu “System Settings/EvaSys Settings/Survey Online/Participation tracking (online surveys): Protection of anonymity” you can define the minimum return. The minimal return defined here must be reached, in order for specific survey information on participation and non-participation to be released.

To access participation tracking, click in the menu “Subunits/Central Evaluation/Participation Tracking”. A window opens automatically in which you can select any number of subunits, survey periods, course types, questionnaires and courses. Subsequently, click on [Request] to trigger the participation tracking. A “Save as…” dialog appears. Select a folder and click on [Save]. Then, open the saved CSV file to call up the information on participation and non-participation:



	A	B	C	D
1	Survey	PSWD	Email	Participated
2	Organization and Management	L4XVZ	s.gabriel@example.com	No
3	Organization and Management	4768P	m.green@example.com	Yes
4	Organization and Management	VWJ2E	f.hernandez@example.com	No
5	Organization and Management	4DQLZ	p.townsend@example.com	Yes
6	Organization and Management	54UGY	l.portman@example.com	Yes
7	Organization and Management	T6X8P	s.miller@example.com	Yes
8	Organization and Management	X6GTX	r.stevenson@example.com	No
9	Organization and Management	HAJ95	t.c.bowman@example.com	No
10	Organization and Management	RVJ5E	b.smith@example.com	Yes
11	Organization and Management	JTZEF	s.rutherford@example.com	Yes

Figure 144: Example CSV File of Participation Tracking

As soon as you call up the participation tracking for online surveys for which you distributed PSWD cards instead of sending the PSWDs per email, the email column remains empty.

If the function is not required, it can be deactivated under “System Settings/EvaSys Settings/Functions/Display Participation Tracking”.

3.8.6. Online Surveys: Customization of the Language Used

If additional languages for system messages are to be made available to online survey participants, you can integrate them in EvaSys. For online surveys, this refers to short messages such as [Continue], [Send] and [Save temporarily], but also to longer texts such as “The red marked multiple choice questions have more options selected than allowed. Please reduce the number of selected options accordingly.”. (Please note: here we are talking about elements that do not directly originate from the questionnaire, because you can directly translate all elements of a questionnaire. To do this, select the option “Languages” in the respective questionnaire’s details).

The internationalization of online surveys is achieved by language sets. Because, for online surveys, particularly those with an international approach, many more languages need to be translated than is possible with linked system languages, the language sets enable internationalization beyond integrated system languages.

The expedient use of language sets requires two steps:

- Step 1: General definition of a language set

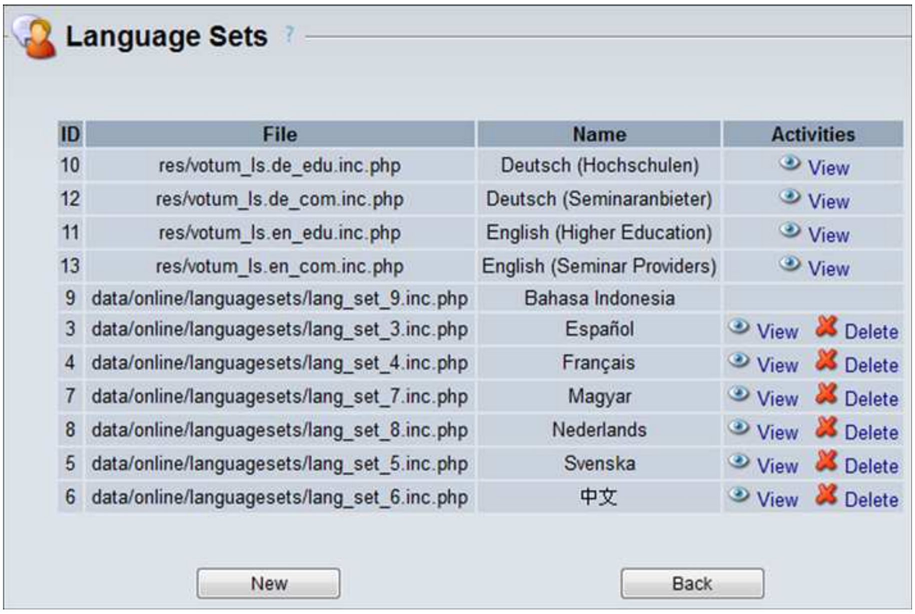
  Via the language sets you can define text elements for online surveys and thus include them in your EvaSys system.

- Step 2: Linking a language set with a questionnaire

  If you wish to use a particular questionnaire for online surveys and additional languages are relevant, specify the relevant language sets for this particular questionnaire. Of course you can link a language set with any number of questionnaires.

Step 1: General Definition of a Language Set

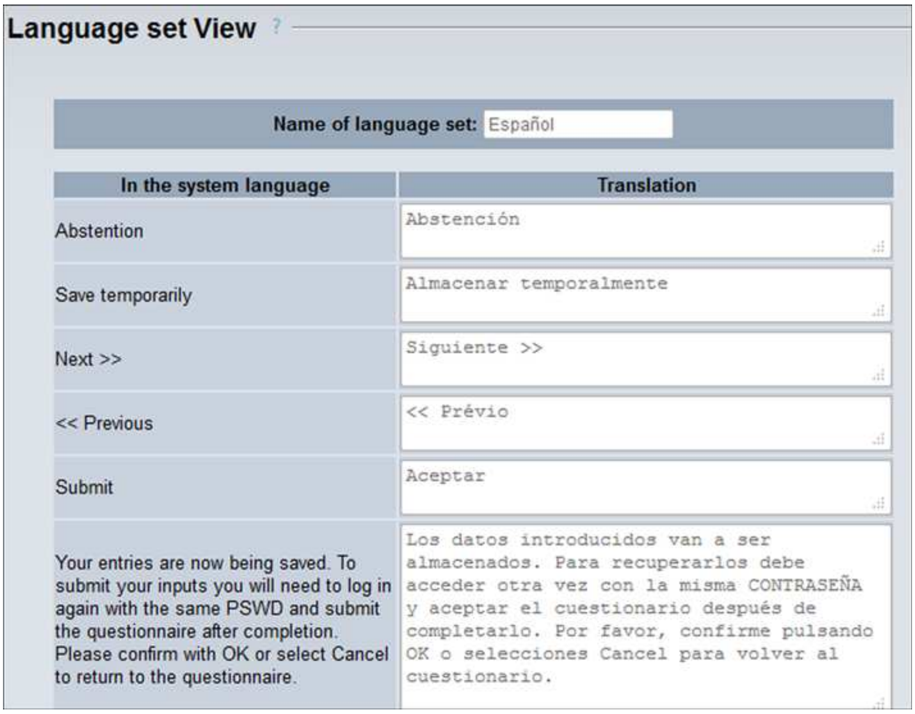
You will find the language sets in the submenu of the main menu “System Settings” (on the left-hand side). After clicking on the menu point “Language sets”, a list appears with the language sets that are already in place. If you haven’t yet added any language sets, they will correspond with the system languages available:



ID	File	Name	Activities
10	res/votum_ls.de_edu.inc.php	Deutsch (Hochschulen)	View
12	res/votum_ls.de_com.inc.php	Deutsch (Seminaranbieter)	View
11	res/votum_ls.en_edu.inc.php	English (Higher Education)	View
13	res/votum_ls.en_com.inc.php	English (Seminar Providers)	View
9	data/online/languagesets/lang_set_9.inc.php	Bahasa Indonesia	
3	data/online/languagesets/lang_set_3.inc.php	Español	View Delete
4	data/online/languagesets/lang_set_4.inc.php	Français	View Delete
7	data/online/languagesets/lang_set_7.inc.php	Magyar	View Delete
8	data/online/languagesets/lang_set_8.inc.php	Nederlands	View Delete
5	data/online/languagesets/lang_set_5.inc.php	Svenska	View Delete
6	data/online/languagesets/lang_set_6.inc.php	中文	View Delete

Figure 145: Overview of the Language Sets

To view an existing language set, click in the column “Activities” in the line of the respective language set on “View”. An overview of the language messages with the current translation will be displayed. In the following example you can see the translation from the system language English into Spanish:



Language set View

Name of language set: Español

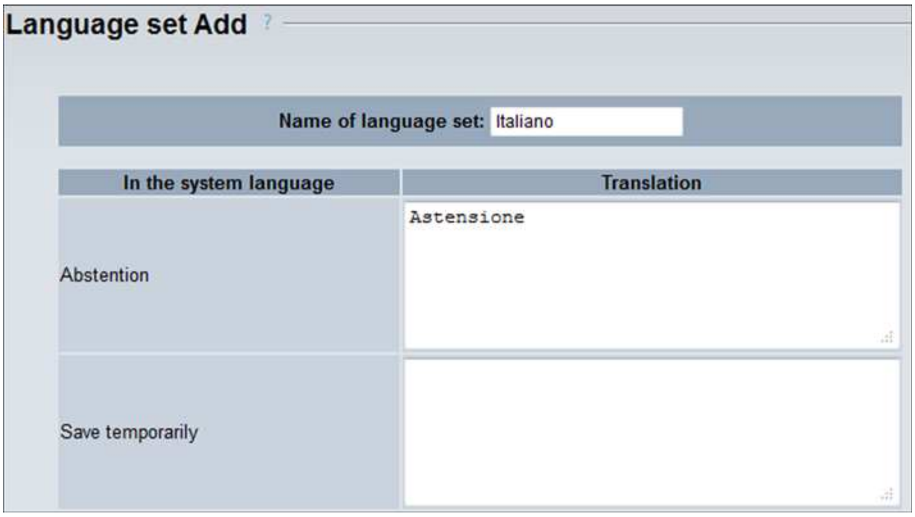
In the system language	Translation
Abstention	Abstención
Save temporarily	Almacenar temporalmente
Next >>	Siguiente >>
<< Previous	<< Prévio
Submit	Aceptar
Your entries are now being saved. To submit your inputs you will need to log in again with the same PSWD and submit the questionnaire after completion. Please confirm with OK or select Cancel to return to the questionnaire.	Los datos introducidos van a ser almacenados. Para recuperarlos debe acceder otra vez con la misma CONTRASEÑA y aceptar el cuestionario después de completarlo. Por favor, confirme pulsando OK o selecciones Cancel para volver al cuestionario.

Figure 146: Language Set (here: Spanish) in Detail

The listing contains the text elements that appear in online surveys, along with their respective translations.

Click on the bottom of the screen on [Back] to return to the start menu.

To create a new language set, click on [New] below the list of existing language sets. Name the language set and then translate all elements:



Language set Add

Name of language set: Italiano

In the system language	Translation
Abstention	Astensione
Save temporarily	

Figure 147: Defining a Language Set

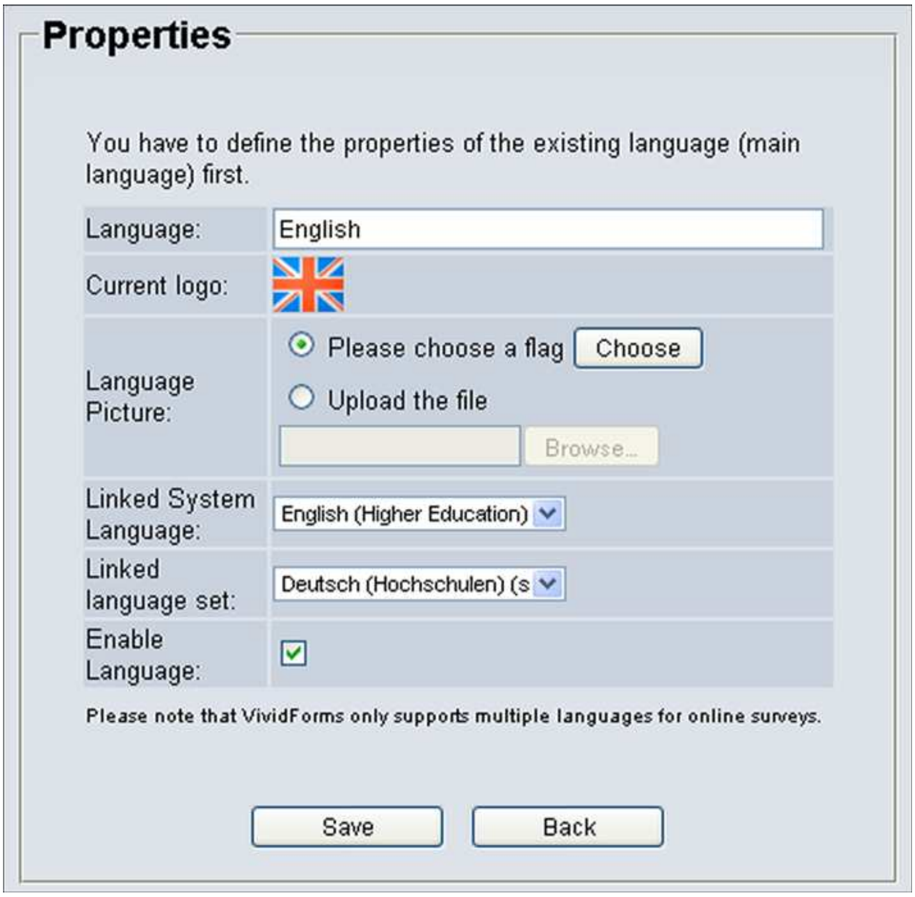
Note:
The language set can only be saved when all elements have been translated!

Once saved, the language set appears in the list of existing language sets. Unlike language sets linked with system languages, here you have the possibility of editing or deleting the language set. This option is also recognized by the additional buttons in the list.

Step 2: Linking a Language Set with a Questionnaire

In order to use a language set for online surveys, you have to link it with the questionnaire with which you conduct the respective online survey. This is possible in a questionnaire's details. The details of a questionnaire are available in the menu "Questionnaires/Questionnaire List". Click on the name of a questionnaire in the list; you will be directed to the details of the questionnaire. In the drop-down-menu in the area "Advanced settings" select the option "Languages" and click on [Edit].

If you have not yet defined a language, you first have to define the questionnaire's standard language:



Properties

You have to define the properties of the existing language (main language) first.

Language:	English
Current logo:	
Language Picture:	● Please choose a flag ○ Upload the file
Linked System Language:	English (Higher Education)
Linked language set:	Deutsch (Hochschulen) (s
Enable Language:	☑

Please note that VividForms only supports multiple languages for online surveys.

Figure 148: Defining the Questionnaire's Main Language

The above figure shows that the language set "English" is linked with the system language "English" (here the main language).

After defining the main language you can add a further language:

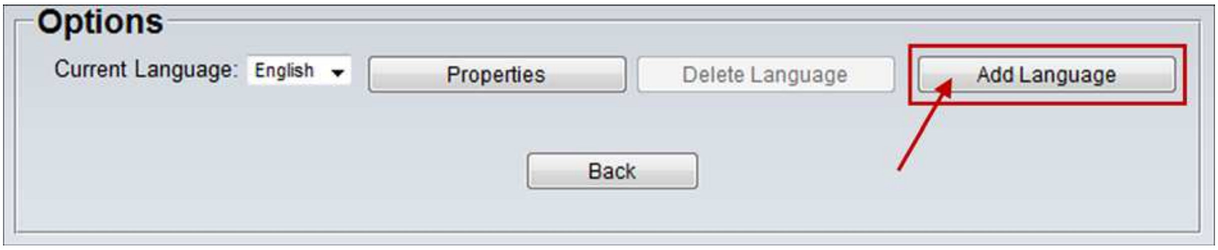
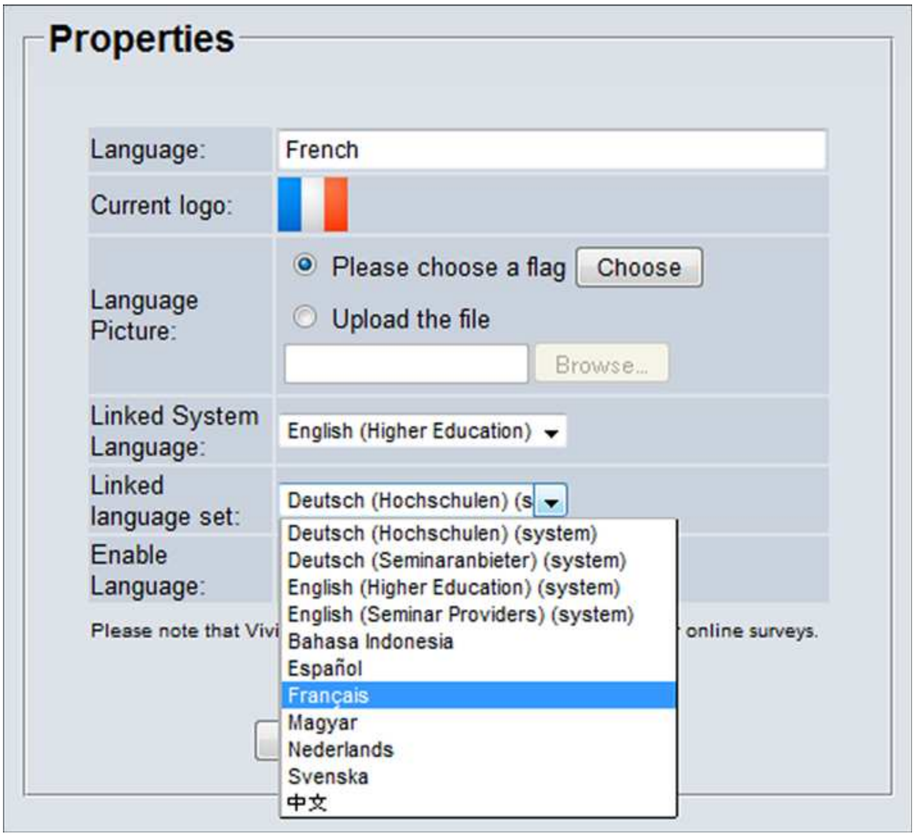

Options
Current Language: English
Properties
Delete Language
Add Language
Back

Figure 149: Adding a Further Language

As you do with the main language, you define their properties and can link your language set with the questionnaire here. For example, it makes sense to use the language set “Français” for the questionnaire’s French translation:


Properties
Current logo:
Choose
Browse...
Please note that Vivi
online surveys.
Deutsch (Hochschulen) (system)
Deutsch (Seminaranbieter) (system)
English (Higher Education) (system)
English (Seminar Providers) (system)
Bahasa Indonesia
Español
Français
Magyar
Nederlands
Svenska
中文

Language: French

Language Picture: ● Please choose a flag ○ Upload the file

Linked System Language: English (Higher Education)

Linked language set: Deutsch (Hochschulen) (s

Enable Language:

Figure 150: Linking the Language Set with the Translated Questionnaire

Note:
The definition of language sets applies to the system messages, not to the questionnaire. You have to translate the questionnaire additionally.

3.8.7. Online Surveys: Customization of the Used Layouts

The layout of online surveys in EvaSys is handled by online templates. A template is a sample, that in this case, for example, controls the color, the insertion of logos or the questionnaire display.

In EvaSys there are four types of online templates:

- Predefined standard templates

  The predefined standard templates are firmly integrated in EvaSys and are used as the default for online surveys.

- Customized online templates

  The customized online templates can be created in EvaSys without any previous technical knowledge or knowledge of programming. The colors of these online templates can be adapted to your wishes/your corporate design. In addition, an individual logo can be integrated too.

  You can create any number of customized online templates and use them for each subunit individually. Also subunit administrators can define their own customized online templates.

- CSS Editing

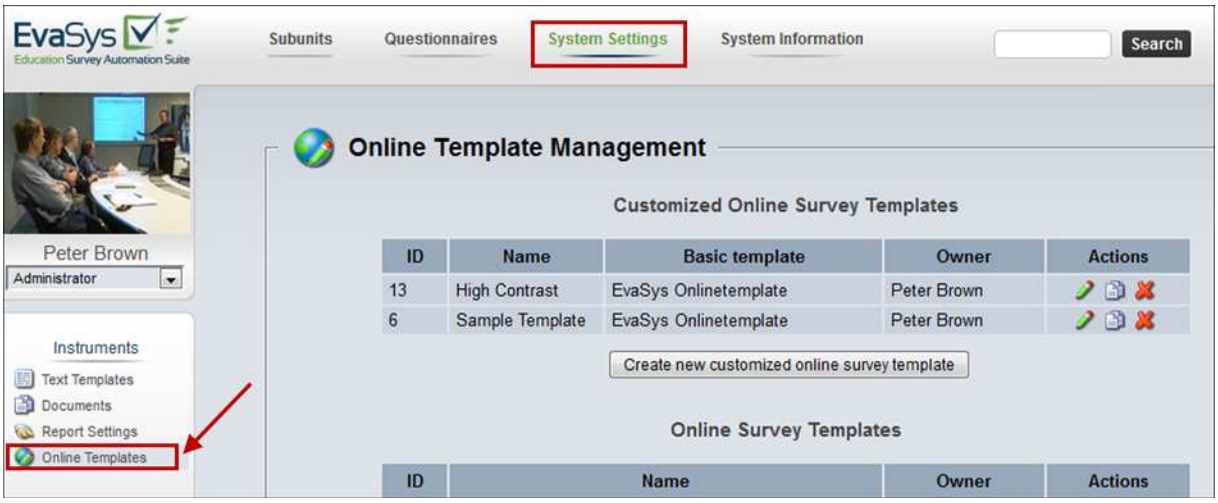
  Use CSS editing to modify colors, positions and rendering of each element of your online survey (requires advanced knowledge in CSS edition).

- Advanced Template Editing

  Use the whole set of files to change absolutely anything in the layout of your online survey (requires advanced object oriented PHP programming and extended knowledge of accessibility requirements).

When using standard templates or a customized online template based upon the standard template, the size of the template is automatically optimized for the screen resolution of the client, that is, as well as PC's, mobile devices too (cell phones, smart phones, internet tablets etc.) are supported. The prerequisite for this is, that the corresponding function is activated in the configuration ("System Settings/EvaSys Settings/ Survey Online/Support for mobile devices"). All other templates must be adapted for display on mobile devices.

All kinds of templates are organized in the menu "System Settings/Online Templates". Here you can view and edit existing templates or create and upload new ones.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Create new customized online survey template

Online Template Management

Customized Online Survey Templates

ID	Name	Basic template	Owner	Actions
13	High Contrast	EvaSys Onlinetemplate	Peter Brown	
6	Sample Template	EvaSys Onlinetemplate	Peter Brown	

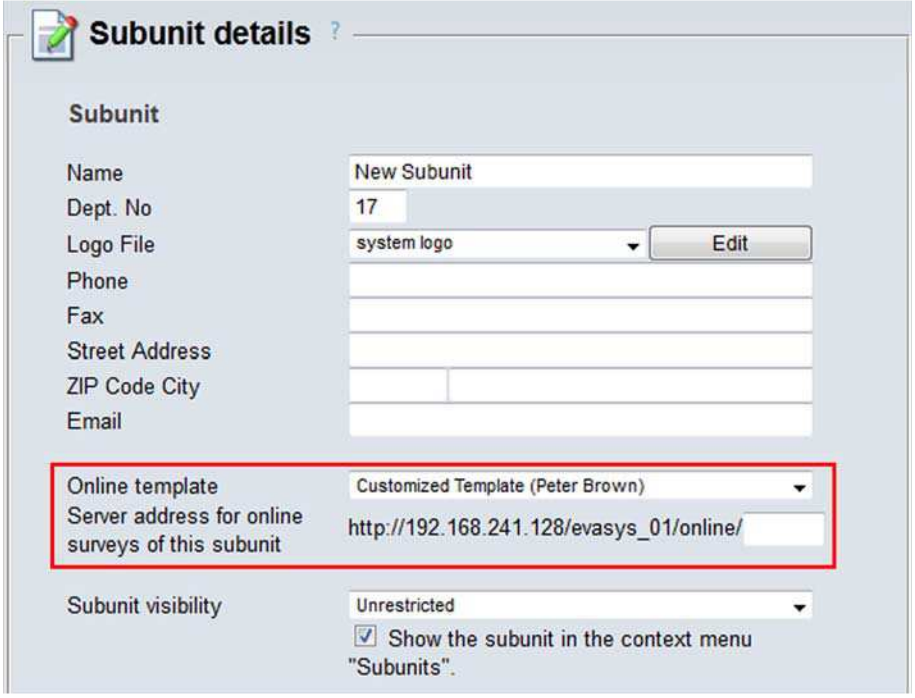
Online Survey Templates

ID	Name	Owner	Actions

Figure 151: Menu "Online Templates"

In the properties dialogue of a subunit you can select one of the online templates available and thus individually define the layout of this subunit's online surveys.

Select an option from the list next to "Online template". As well as this, an individual addition to the online survey web server address can be defined for the subunit.

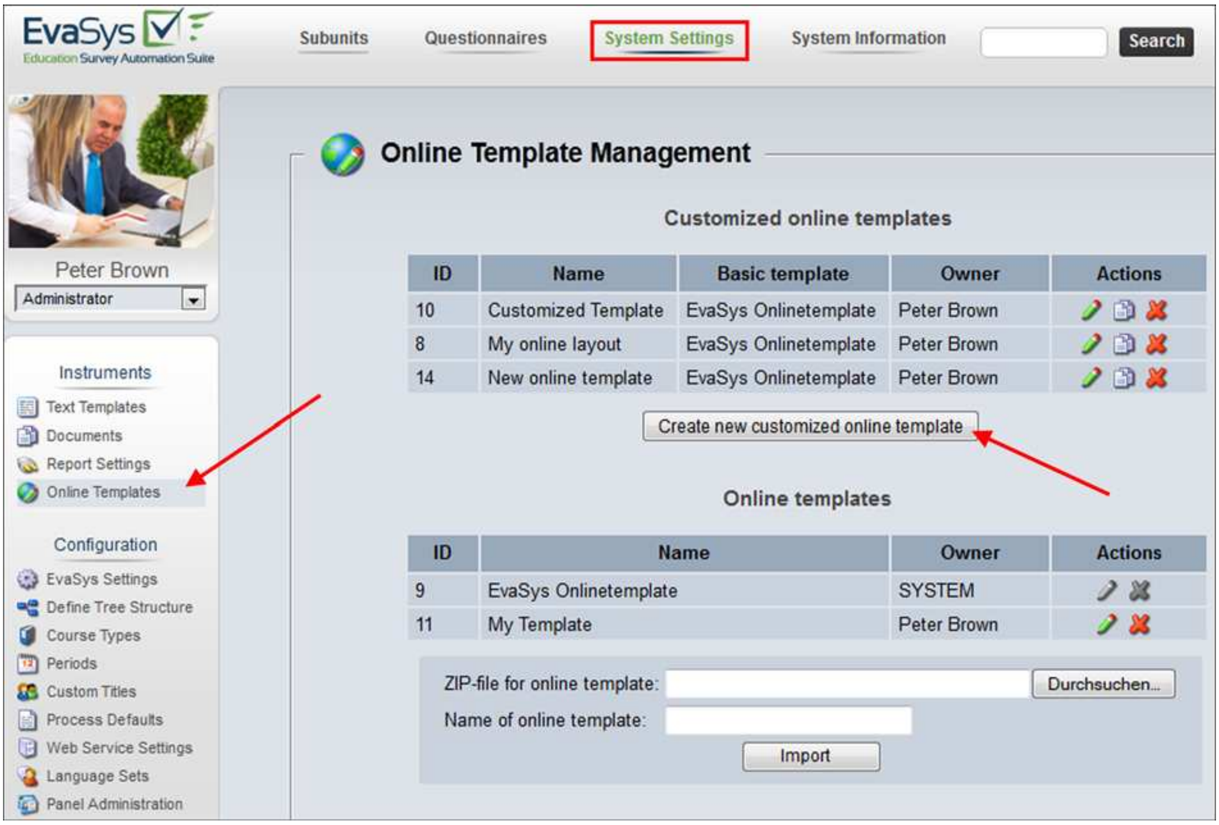


Name: New Subunit
Dept. No: 17
Logo File: system logo
Phone:
Fax:
Street Address:
ZIP Code City:
Email:
Online template: Customized Template (Peter Brown)
Server address for online surveys of this subunit: http://192.168.241.128/evasys_01/online/
Subunit visibility: Unrestricted
☑ Show the subunit in the context menu "Subunits".

Figure 152: Linking the Online Template with a Subunit

Creation of a Customized Online Template

To create a so-called customized online template, open the menu "Online Templates" in the main menu "System Settings". The online template management opens automatically:


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Custom Titles
Process Defaults
Web Service Settings
Language Sets
Panel Administration
Create new customized online template
Durchsuchen...
Import

Online Template Management

Customized online templates

ID	Name	Basic template	Owner	Actions
10	Customized Template	EvaSys Onlinetemplate	Peter Brown	✎ ⧉ ✗
8	My online layout	EvaSys Onlinetemplate	Peter Brown	✎ ⧉ ✗
14	New online template	EvaSys Onlinetemplate	Peter Brown	✎ ⧉ ✗

Online templates

ID	Name	Owner	Actions
9	EvaSys Onlinetemplate	SYSTEM	✎ ✗
11	My Template	Peter Brown	✎ ✗

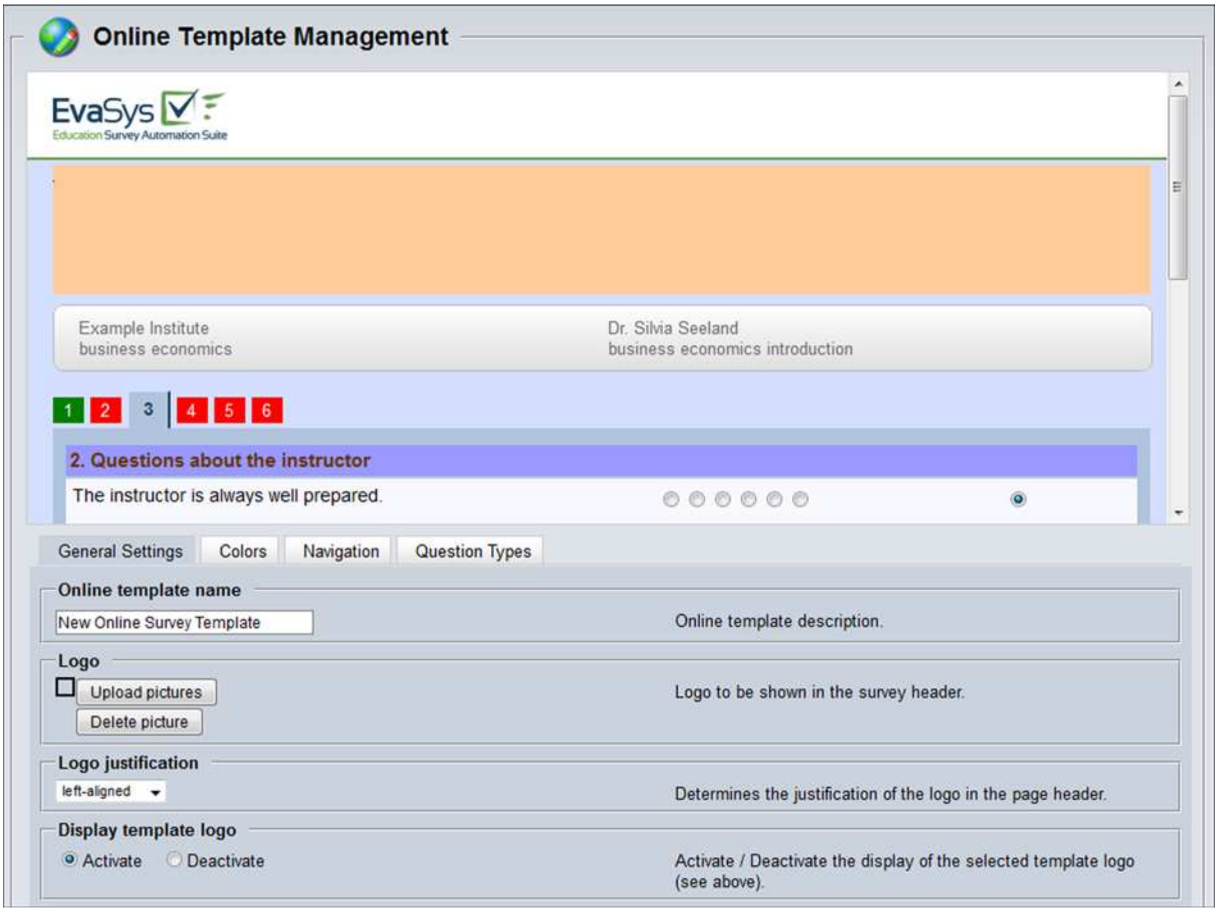
ZIP-file for online template:

Name of online template:

Figure 153: Online Template Management

Predefined templates can be uploaded in the bottom area of the window. In the upper area of the window, customized templates are created and managed.

Klick on [Create new customized online template] and the following screen appears immediately:



Online Template Management

Example Institute
business economics

Dr. Silvia Seeland
business economics introduction

2. Questions about the instructor

The instructor is always well prepared.

Online template name: New Online Survey Template — Online template description.

Logo: ☐ — Logo to be shown in the survey header.

Logo justification: left-aligned — Determines the justification of the logo in the page header.

Display template logo: ● Activate ○ Deactivate — Activate / Deactivate the display of the selected template logo (see above).

Figure 154: Create customized Online Template

In the upper half of the window, a preview of the online template is displayed. In the lower half the layout of the template can be edited. All changes made to the layout are immediately shown in the preview.

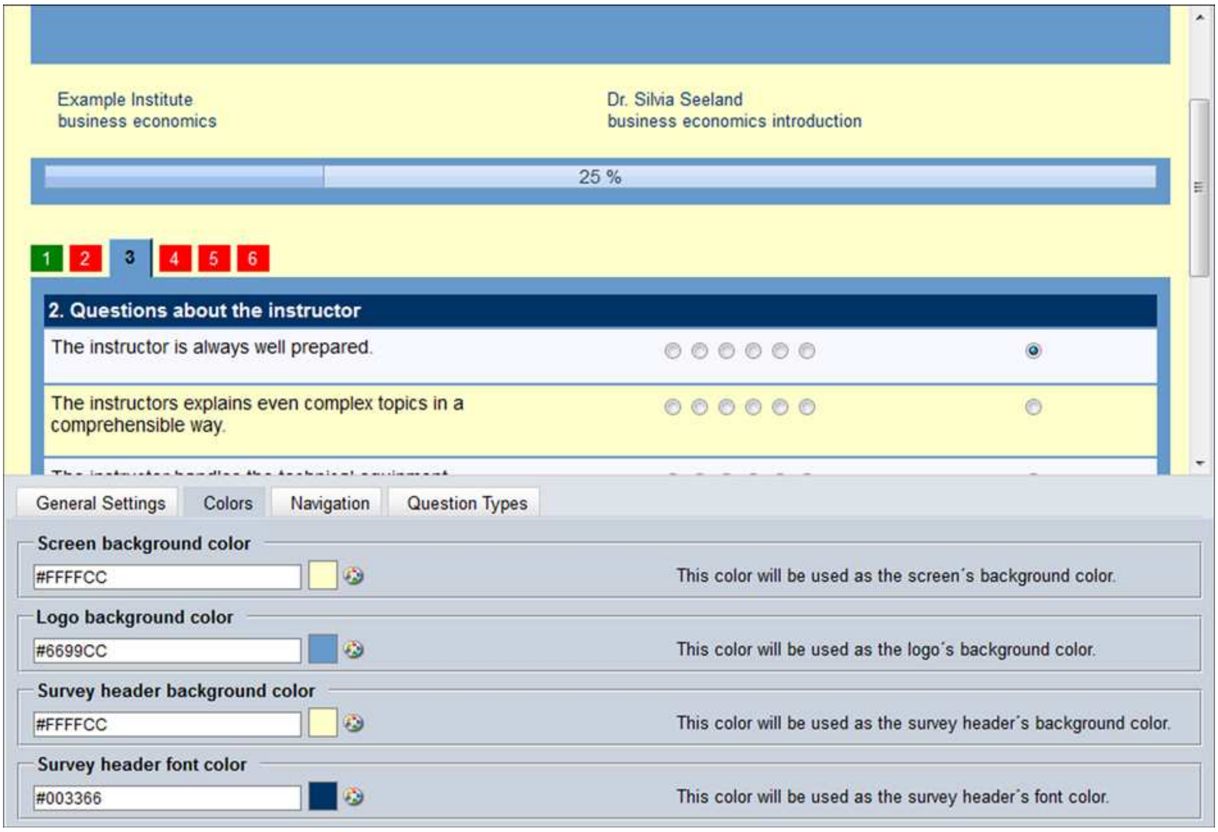
Numerous functions for customizing the templates are available in four different tabs:

- General Settings

  The name of the template is defined here, your own logo can be uploaded and aligned, the organization’s logo and the survey header can be shown or hidden etc.

- Colors

  The color settings for the different areas and elements of the template are set here. The background as well as the font colors of all areas displayed can be customized.



Example Institute
business economics

Dr. Silvia Seeland
business economics introduction

25 %

2. Questions about the instructor

The instructor is always well prepared. ○ ○ ○ ○ ○ ○ ●

The instructors explains even complex topics in a comprehensible way. ○ ○ ○ ○ ○ ○ ○

Screen background color
#FFFFCC — This color will be used as the screen´s background color.

Logo background color
#6699CC — This color will be used as the logo´s background color.

Survey header background color
#FFFFCC — This color will be used as the survey header´s background color.

Survey header font color
#003366 — This color will be used as the survey header´s font color.

Figure 155: Customized Online Template – Customize colors

- Navigation

  Different elements, such as the page navigation or the progress bar can be shown or hidden here.

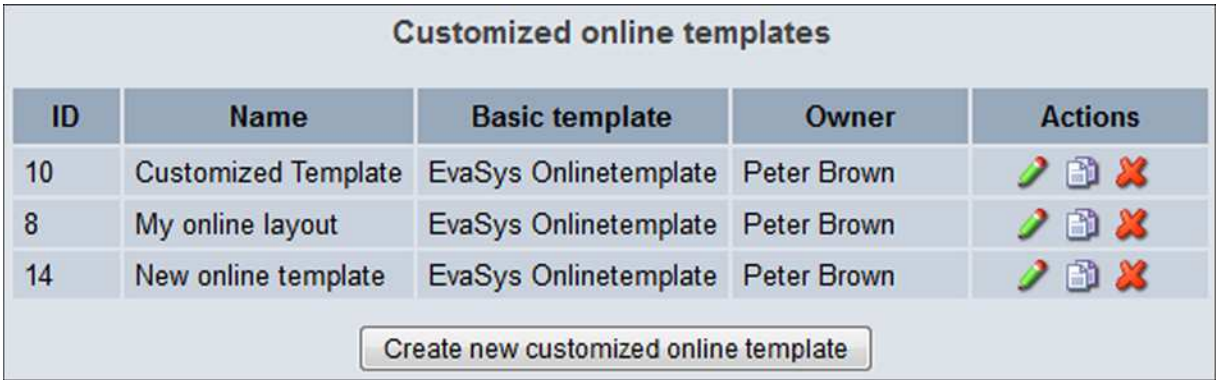
- Question Types

  Specific settings for different question types can be made here; such as, for example, a remaining characters counter for open questions can be displayed, scale questions can be displayed as a slider etc.

- Accessibility

  Here, settings for extended pole texts can be made which enable barrier free access.

Whilst customizing the template, you can change between the different tabs at any time. Once you have completed your editing, click on the button [Accept]. The template just created now appears in the overview:



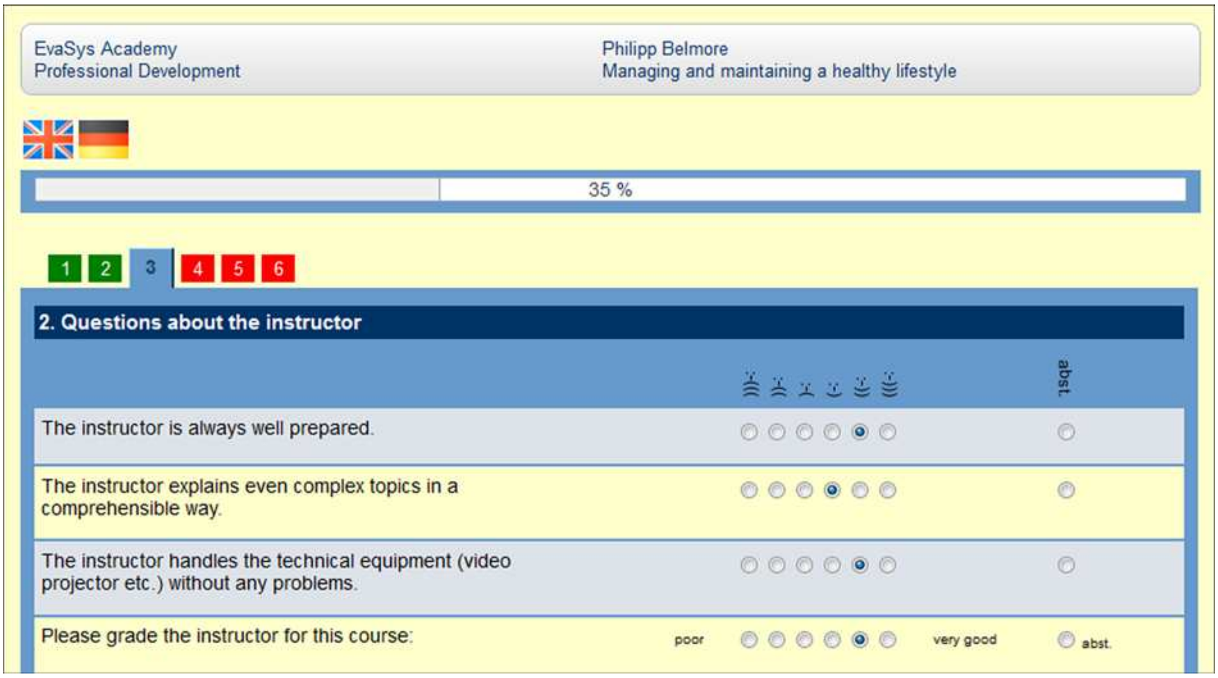
Customized online templates

ID	Name	Basic template	Owner	Actions
10	Customized Template	EvaSys Onlinetemplate	Peter Brown	✎ ❐ ✗
8	My online layout	EvaSys Onlinetemplate	Peter Brown	✎ ❐ ✗
14	New online template	EvaSys Onlinetemplate	Peter Brown	✎ ❐ ✗

Figure 156: Customized Online Template – Overview

With a click on the pencil icon, the template can be edited at any time, or deleted by clicking on the red cross-icon. Also, with the aid of the page icon a copy can be made. The copy now appears in the list as a new template and can be edited further.

Once you have created the template, link it, as described above, with the subunit in which it is to be used. In the online survey, it is then, for example, presented as such:



EvaSys Academy
Professional Development

Philipp Belmore
Managing and maintaining a healthy lifestyle

2. Questions about the instructor

				abst.
The instructor is always well prepared.		○ ○ ○ ○ ● ○		○
The instructor explains even complex topics in a comprehensible way.		○ ○ ○ ● ○ ○		○
The instructor handles the technical equipment (video projector etc.) without any problems.		○ ○ ○ ○ ● ○		○
Please grade the instructor for this course:	poor	○ ○ ○ ○ ● ○	very good	○ abst.

Figure 157: Customized Online Template in the Online Survey

CSS Editing

If you wish to modify other elements of design, as, for instance, the way buttons or dropdown menus are displayed, and if you have some knowledge of CSS styles edition, you can build your own online template.

The easiest way is to copy the file “onlinesurvey.css” you find in:

C:\Apache\htdocs\evasys\application\modules\online\templates\onlinedefault or
C:\inetpub\wwwroot\evasys\application\modules\online\templates\onlinedefault.

Zip this file, go to the menu “System Settings/Online Templates” and upload the ZIP-file you created.

The file is now in a folder named like your template for example: C:\Apache\htdocs\evasys\data\templates\My Template (respectively C:\inetpub\wwwroot\evasys\data\templates\My Template). This file can now be modified using a CSS editor.

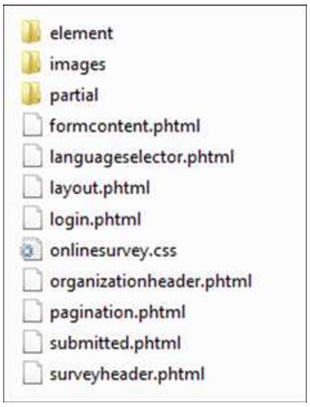
To display the modifications you have made in the style sheet, you need to remove the content of the folder C:\Apache\htdocs\evasys\data\tmp\online (respectively C:\inetpub\wwwroot\evasys\data\tmp\online) and restart the system service “memcached Server”. To do this, select the option “Administrative Tools/Services” in the Control Panel and search the list for the entry “memcached Server”. If you right-click on the entry a context menu opens where you can choose the option “Restart” by a left click.

Advanced Template Editing

The way online templates are programmed in EvaSys allows you to modify many aspects such as colors and location, but also each detail of how the single elements will be displayed. You can, for example, include flash-interaction into your survey, create a picture-based survey (e.g. displaying pictures as multiple choice options), and so on. Working at this level of customization requires advanced object oriented PHP programming and extended knowledge of accessibility requirements.

To access these functionalities, start by copying the whole online default template you find in folder C:\Apache\htdocs\evasys\application\modules\online\templates\onlinedefault (respectively in folder C:\inetpub\wwwroot\evasys\application\modules\online\templates\onlinedefault).

Here are the objects in this folder (files, and subfolders):



element
images
partial
formcontent.phtml
languageselector.phtml
layout.phtml
login.phtml
onlinesurvey.css
organizationheader.phtml
pagination.phtml
submitted.phtml
surveyheader.phtml

Figure 158: Content of the Folder “onlinedefault”

Each part of your online survey is available for you to modify it (the login screen, the way pagination is dealt with, the header, the content of the form etc.). Most important, the CSS style sheet “onlinesurvey.css” allows you to modify almost everything, as each object of the online survey layout is described by a style.

In the subfolder “element” you find files describing how each question type (single choice, scaled question, multiple choice question, and so on) will be displayed.

In the subfolder “partial” you will find how errors and warnings (such as “please fill in this required field”, or “only numbers are allowed in this field”) will be displayed. You can add further files you would like to integrate into your template.

You can also create several other folders here, like for instance the folder “images”, where you can save files specifically needed for your template.

Hint:

You might just modify some of the files and not all of them. When a file is missing in your custom template folder, EvaSys is using default instead, so you do not have to import files you did not edit.

To have EvaSys load your template, zip the content of your folder. Please note: The ZIP-file has to contain the content of the folder, and not the folder itself. Go to the menu “System Settings/Online Templates” and upload the file. You can then modify the template directly in the folder where it has been created in

C:\Apache\ htdocs\evasys\data\templates\ or
C:\inetpub\wwwroot\evasys\data\templates\.

Please, if you make modifications to the CSS-file “onlinesurvey.css”, do not forget to remove the content of C:\Apache\htdocs\evasys\data\tmp\online (respectively C:\inetpub\wwwroot\evasys\data\tmp\online).

As a general concept, the form is available as an object, the methods of which will provide you with all information you need in order to choose the way you wish to display each element on the page.

Here are some of the functions that you might regard as useful when starting to work with EvaSys advanced template editing. You will find examples of other functions, methods and classes used to get information about items you are editing and willing to modify, in the files that are available in this folder.

Function	Description
$this->getLabel()	returns the label of the current question
$this->getValue()	returns the value of the current question (very useful if you wish to create javascript reaction to a value for example)
$this->getMultiOptions()	returns all options of a question (if existing)
$this->getCSSClass()	returns the whole class attribute of the element (multiple classes get separated by space); it will also give you some information about where you are in the code (even or odd item, for example), which you might use to create action according to this information

Function	Description
$this->addCSS-Class($sClass)	adds an additional class to the current element: you might decide that you won't display a question in the same way if the label is short or very long ; so you could define a specific class in your CSS file for long labels and insert this class after having tested for the length of the label
$this->getTemplatePath()	returns the URL to the template directory of the current template. Useful for routing to images or extra CSS files.
$this->placePartial($sName)	inserts a partial-template at the calling-position. Name should not contain a path or an extension. This is typically used for mentioning required questions or validation rules specific to some questions
$this->getErrors()	returns an array of error-objects for the user, like “this question was required but not filled in”, or “this field should be completed only with numbers” (rules that are defined through the VividForms Editor/Designer).

Table 8: Functions for Advanced Template Editing

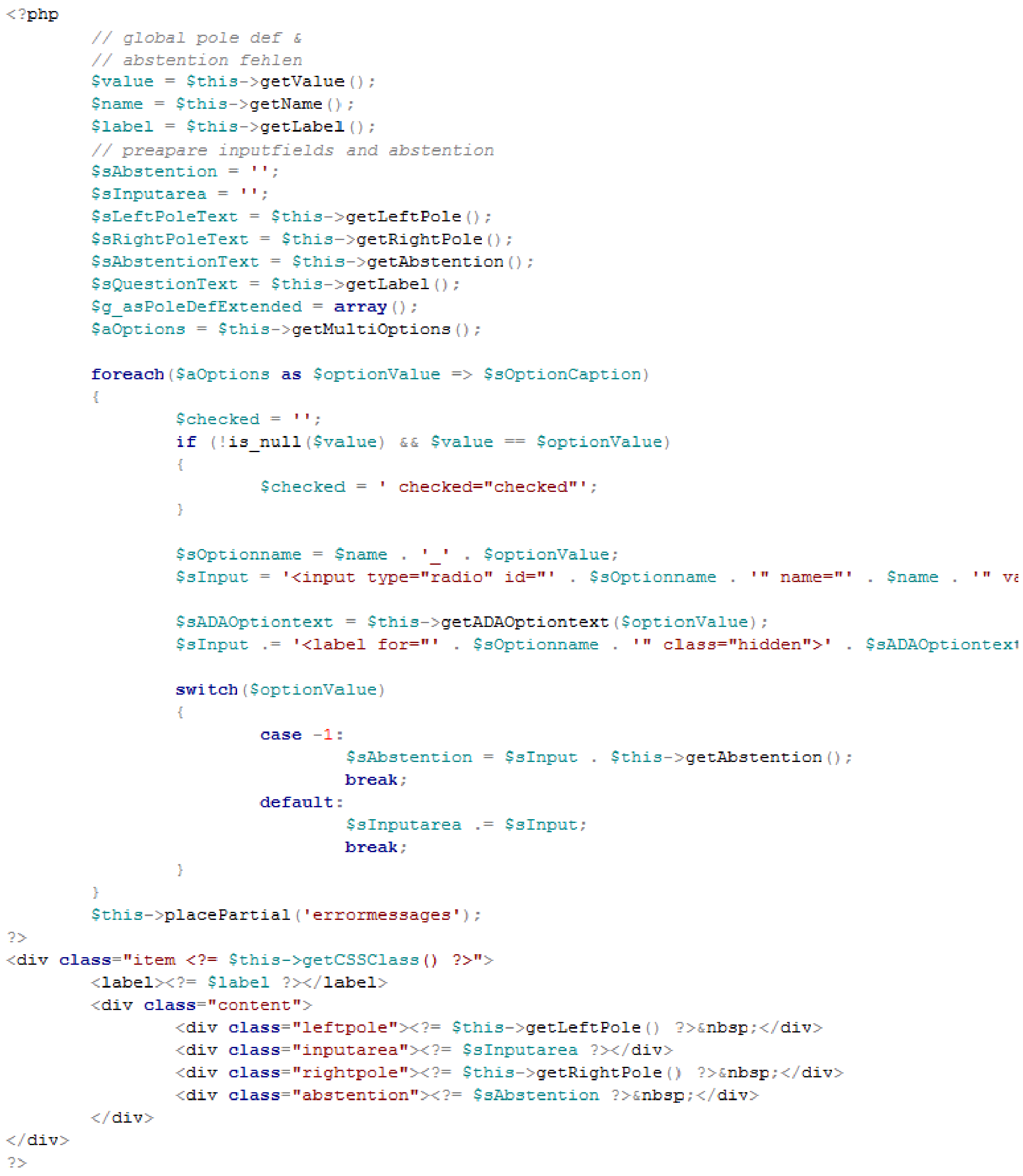
The creation of advanced design templates is also offered as a professional service, so that all our customers can benefit from the advantages of a fully customized online template. For further information, please contact Electric Paper.

Example of PHTML Editing: scala.phtml

Scaled questions are used a lot in surveys. While you cannot choose how you want them to be displayed in paper-based surveys, in online surveys you can. By means of editing the scala.phtml file located in the element folder of a template you can define it for your own use.

As you can see in the next figure, lots of information, like the label of the question, the definition of left pole, right pole and abstention or details of options are available through simple functions of the current object (getLeftPole, getRightPole, and so on). Code is commented so that you will clearly see what is done at each step. You can decide to display the radio buttons in a table or in a div element, you can choose to have them to the right of the label or under the label (this can also be defined in the CSS file), you can add your code for extended validation rules, put images instead of poles each time the left pole is defined as “do not agree” and the right pole as “totally agree”, and other images for other types of poles, for example.

In this example, you also see some code resulting from functions as “getADAOptionText”. These functions are very important. Please bear in mind, that EvaSys has originally been designed to ensure accessibility. Therefore many requirements have been met, for example to guarantee the accessibility of the content for people of all abilities and disabilities, mainly blind or poor sight users). Consequently specific functions were created that would help you to create code that makes your online surveys available for all people.



```
<?php
        // global pole def &
        // abstention fehlen
        $value = $this->getValue();
        $name = $this->getName();
        $label = $this->getLabel();
        // preapare inputfields and abstention
        $sAbstention = '';
        $sInputarea = '';
        $sLeftPoleText = $this->getLeftPole();
        $sRightPoleText = $this->getRightPole();
        $sAbstentionText = $this->getAbstention();
        $sQuestionText = $this->getLabel();
        $g_asPoleDefExtended = array();
        $aOptions = $this->getMultiOptions();

        foreach($aOptions as $optionValue => $sOptionCaption)
        {
                $checked = '';
                if (!is_null($value) && $value == $optionValue)
                {
                        $checked = ' checked="checked"';
                }

                $sOptionname = $name . '_' . $optionValue;
                $sInput = '<input type="radio" id="' . $sOptionname . '" name="' . $name . '" va

                $sADAOptiontext = $this->getADAOptiontext($optionValue);
                $sInput .= '<label for="' . $sOptionname . '" class="hidden">' . $sADAOptiontext

                switch($optionValue)
                {
                        case -1:
                                $sAbstention = $sInput . $this->getAbstention();
                                break;
                        default:
                                $sInputarea .= $sInput;
                                break;
                }
        }
        $this->placePartial('errormessages');
?>
<div class="item <?= $this->getCSSClass() ?>">
        <label><?= $label ?></label>
        <div class="content">
                <div class="leftpole"><?= $this->getLeftPole() ?>&nbsp;</div>
                <div class="inputarea"><?= $sInputarea ?></div>
                <div class="rightpole"><?= $this->getRightPole() ?>&nbsp;</div>
                <div class="abstention"><?= $sAbstention ?>&nbsp;</div>
        </div>
</div>
?>
```

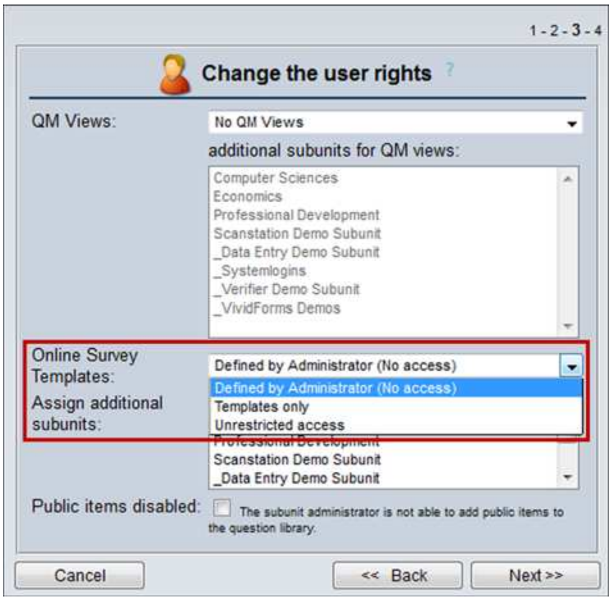
Figure 159: PHTML Editing

Access Rights to Online Templates for Subunit Administrators

You as the administrator define within the user properties the of subunit administrators whether a subunit administrator has the right to create or modify online templates. In the drop-down menu next to “Online templates” you can choose between following rights:

- Defined by administrator (No access)
- Templates only (meaning the subunit administrator cannot create his own templates)
- Unrestricted

This option of assigning rights can be seen in the following figure:



QM Views: No QM Views

additional subunits for QM views:

Computer Sciences
Economics
Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins
_Verifier Demo Subunit
_VividForms Demos

Online Survey Templates: Defined by Administrator (No access)

Assign additional subunits:

Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit

Public items disabled: ☐ The subunit administrator is not able to add public items to the question library.

Figure 160: Creation of Templates by Subunit Administrators: Assignment of Rights

3.8.8. Instructions for Creating an accessible online survey

Web accessibility plays an important role not only with respect to the design of websites, but it also moves more and more into the focus of online surveys. International standards as the WCAG (Web Content Accessiblity Guidelines) for the barrier-free design of internet sites help to ensure that also people with disabilities can be granted uncomplicated access to the contents of web pages.

With EvaSys online surveys can be designed to comply with WCAG 2.0 Level AA. In order to ensure this compliance, the following notes and settings should be observed by the person creating the questionnaire and the online survey:

- Colours and Contrast:
  - The online template should not be to colorful. Use few colors with high contrasts.
  - To comply with WCAG 2.0 level AA the contrast has to be at least 4.5:1, for level AAA at least 7:1. A simple and rapidly-installable tool for measuring contrast ratios is the Color Contrast Analyzer, which can be downloaded for free.
  - Avoid color combinations such as red on green or red on blue background as well as pastel shades in combination with white. They cannot be differentiated by some people.

- Images
  - If you use images for your questionnaire, which are not mere decorative items but serve for information purposes, they have to have an alternative text.
  - This alternative text can be specified when uploading images to the picture library or, subsequently, inserted and maintained in the picture library. Use the entry field “Description” in the picture library assistant.
  - The alternative text should not contain more than 80 characters. Please do not use specifications such as “Image of…”, “The image shows…”. Images are already announced by screen readers.
- Online Design
  - Do not activate the print preview.
  - If you use your own customized online template: Do not use the slider option for scaled questions and do not use the progress bar option.
  - For scaled questions do not use pole labels from pole template or do only use the in combination with extended pole labels. Thereby the scaled question adopts the single pole labels of the extended pole label.
  - Repeat the extended pole labels on top of each block of scaled questions.
  - If you use extended pole labels, activate the option “Activate contrast mode”.
  - If you use an online template created for you as a professional service this will not automatically be compliant with WCAG 2.0 Level AA. If in doubt, please contact our support team.
- Sensoric contrasts
  - Avoid information which only refers to the position on the screen such as left, right, top or bottom. Always combine these descriptions with other characteristics which, for instance, come out of the text.
- Font (a and b is not mandatory for WCAG 2.0, but recommended)
  - Use sans-serif fonts (not Times New Roman).
  - Abstain from using text in italics (hard to read) or underlined text (could be confused with links).
  - Set free text elements left-aligned, this makes text easier to read for users of magnification systems.
- Comprehensibility (only mandatory for level AAA, but recommended for level A and AA
  - Do not use abbreviations (e.g. for abstention such as n/a).
  - Formulate positive and active.
  - Avoid foreign words and use a consistent terminology.

When opening an online survey, EvaSys checks whether questionnaire and template fulfill the requirements of accessibility. If this is the case, in the footer of the online survey the logo of the Swiss foundation “Access for All” will be displayed, an independent certification body for accessible websites. When clicking the logo a declaration of conformity opens in a new window, which stated that the survey is compliant to WCAG 2.0 AA.

If an online survey does not fulfill the criteria according to WCAG 2.0 AA, the quality seal is not displayed. If you would like to find out exactly why the logo is not displayed, you can check this using the JavaScript console of your browser. Open this in Firefox with the keyboard shortcut: Ctrl+Shift+J. Open this in Internet Explorer 9 with the “F12” key and a click on the tab “Console” in the window that opens.

If the logo cannot be seen, the reason for this should be displayed in English in the console. The following messages are possible:

Message	Meaning
wcag-logo disabled, as extendedpoles using text as images exist but they cannot be disabled by the user.	If extended pole labels are used, then it must be possible for the user to replace these inclined texts by switching on the contrast mode. This function can be activated for the user when the template is being configured.
wcag-logo disabled, as the printpreview is active but not compliant.	As soon as the print preview for the questionnaires is activated, the survey is no longer WCAG2.0 compliant, as this function is very unclear in the present form. You can disable it in the Details menu of the questionnaire.
wcag-logo disabled, as this survey is based on a designer form.	Questionnaires that were created with the VividForms Designer are not WCAG2.0 compliant.
wcag-logo disabled, as this is an exam, which is not proofed to be completely accessible.	Online exams are not compliant with WCAG2.0, because in particular the information on the remaining time is difficult to integrate with web accessibility, with little disruption, and fairly.
wcag-logo disabled, as scales are represented by sliders, which are not completely accessible.	Sliders are not WCAG2.0 compliant because they are especially complex and were implemented using JavaScript. You can disable them in the settings of your online template.
wcag-logo disabled, as a progressbar is in use, which is not completely accessible.	The progress bar is not WCAG2.0 compliant. You can disable it in the settings of your online template.
wcag-logo disabled, as a non-system-template is used for rendering.	All templates that are based on individual adaptations to HTML, CSS, and Logic, are not provided with the logo as they must be tested for this. If you want to carry out a web accessible survey, please use an online template that has been configured with the EvaSys feature.

wcag-logo disabled, as the form is using plausibilty-checks, which is not proofed to be completely accessible.	If you use validations in your survey, the logo is also hidden as these are not implemented with complete web accessibility. Avoid validations where possible.
wcag-logo disabled, as mobiledevice-layouts are not completely accessible.	As soon as the system has recognized that it is being displayed on a mobile device, it is presumed that the display is not web accessible. This happens for security reasons, as it cannot be predicted on which of the many different platforms problems will occur.
wcag-logo disabled, as there are some scaled questions, that do not have matching extended pole-element above to take optiontexts from.	If scaled questions use their own pole labels, and/or no extended pole labels were defined in order to assign a clear name for each individual scale option, then it cannot be automatically ensured that the WCAG2.0 requirements have been fulfilled. To avoid risking problems at this point, you should observe the creation information further up in this chapter.
wcag-logo disabled, as scaled-questions, single-choice- and/or multiple-choice-questions aMessare displayed using images in order to have bigger input-elements.	If the option “Larger controls” is activated in the online template being used, then these are not WCAG2.0 compliant, as they are realized using images. Disable the option if necessary in your online template.

Table 9: Messages on Web Accessibility

3.8.9. Viewing the Results for Online Survey Participants

In comparison to paper surveys, implementing comprehensive online surveys offers some organizational advantages. But the often lower number of returns poses a significant disadvantage which can only be partly compensated for through motivational measures aimed at the survey participants.

Along with the participants’ obligation – possibly entailing queries regarding the regulatory framework or the quality of resulting data – quite often rewarding motivational procedures are also followed. These, in turn, entail organizational effort.

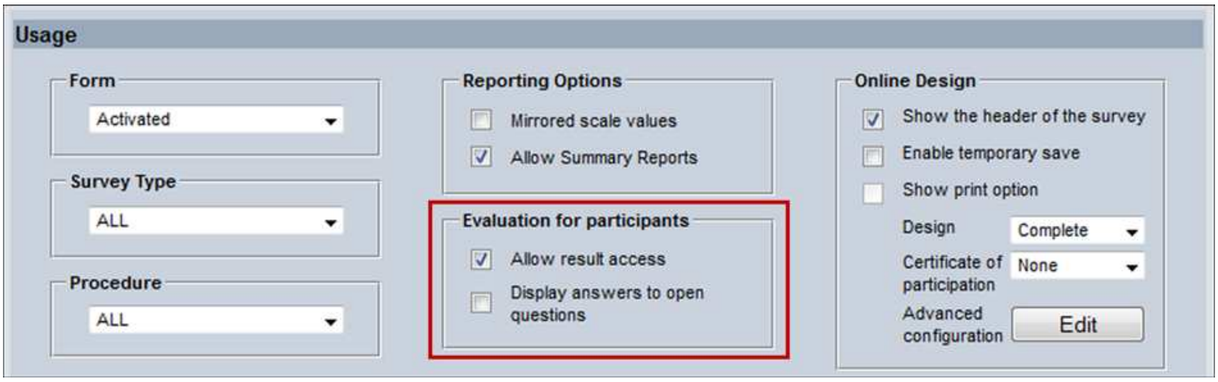
EvaSys, therefore, offers the alternative of survey participants accessing the survey results. Of course, access is granted only to those survey participants who have in fact participated in the survey.

Access to survey results is enabled in the questionnaire details, so access is individually controlled per questionnaire. You will find the area “Evaluation for participants” in the field “Usage” (details of a questionnaire):.

There you can authorize the viewing of results. As, in this case, only access to results of closed questions is authorized, the option “Display responses to open questions” can be additionally selected.

If you authorize the viewing of results, the online survey participants have access to the HTML report as soon as the survey has been closed. Each participant can use his

PSWD to again log on to the same page on which the questionnaire was previously available. Instead of the questionnaire now the HTML report is accessible.



Usage

Form: Activated

Survey Type: ALL

Procedure: ALL

Reporting Options
☐ Mirrored scale values
☑ Allow Summary Reports

Evaluation for participants
☑ Allow result access
☐ Display answers to open questions

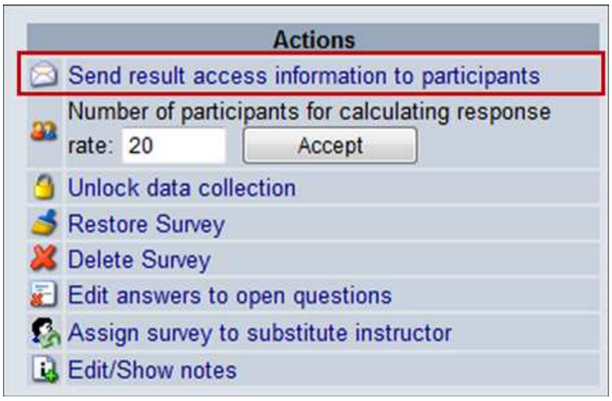
Online Design
☑ Show the header of the survey
☐ Enable temporary save
☐ Show print option
Design: Complete
Certificate of participation: None
Advanced configuration

Figure 161: Result for Online Survey Participant: Authorization in the Questionnaire

Important: Only those participants who were logged-in during the survey can now log in again to download the report. The system verifies that the PSWD has already been used for this. This ensures that nobody can log-on who has received a PSWD but has not yet participated in the survey.

The information on the accessibility of results can be communicated to the participants via email once the survey has been closed. It is, however, not a condition for accessing the results using the PSWD. The email on the report accessibility will be sent out either manually or by using the time control of online surveys.

If you wish to send out the information manually, click in the details of a survey on “Send result access information to participants”:



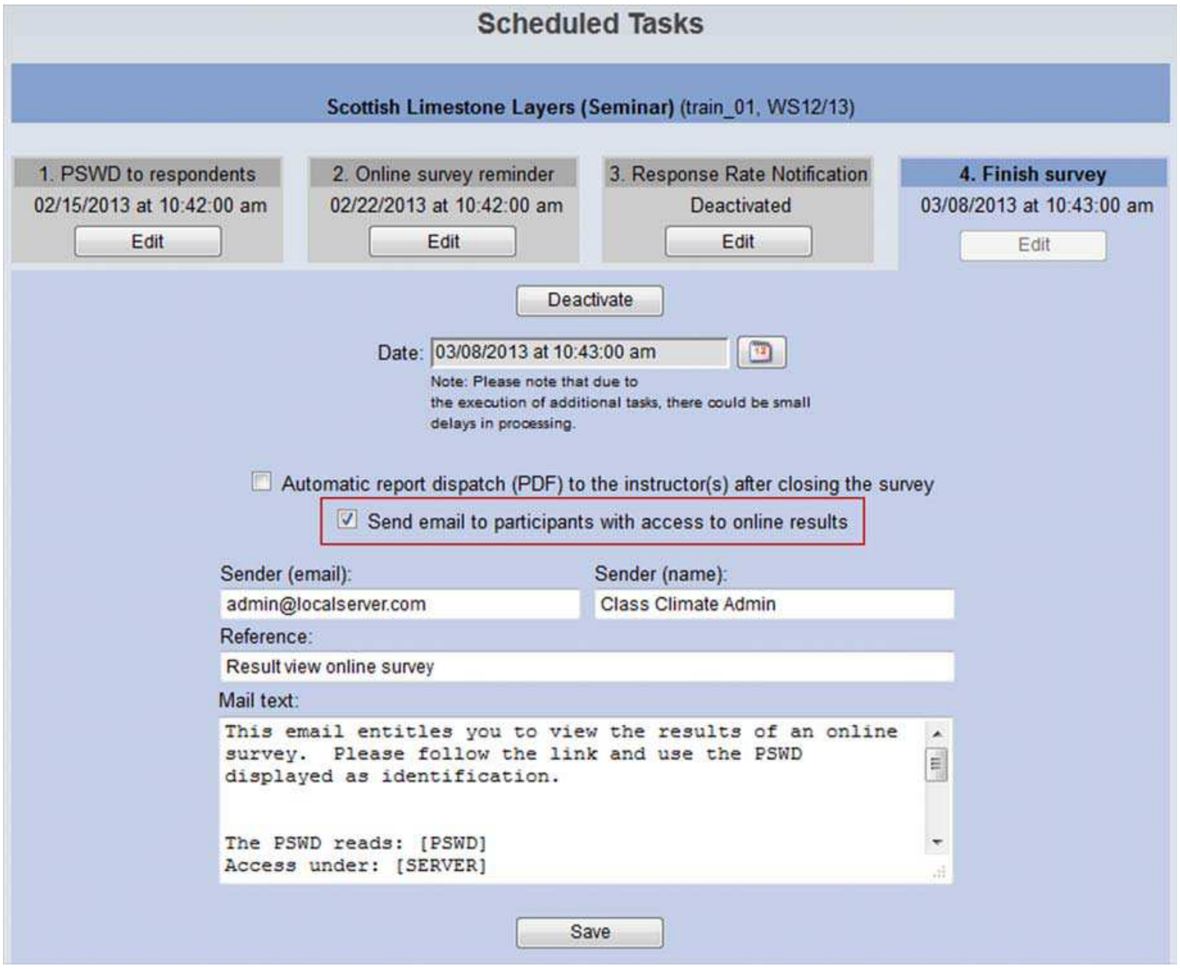
Actions

Send result access information to participants
Number of participants for calculating response rate: 20
Unlock data collection
Restore Survey
Delete Survey
Edit answers to open questions
Assign survey to substitute instructor
Edit/Show notes

Figure 162: Manually send an Email on the Accessibility of the Report

Upon confirmation of the recipient list the email is sent. Please note that this function is only available after an online survey has been closed.

The automated dispatch of the access information is accomplished through the time control. The time control can be reached either through the survey details (provided that the survey is still running) or via the check mark box “User Time control” straight after the generation of online surveys:



Scottish Limestone Layers (Seminar) (train_01, WS12/13)

1. PSWD to respondents	2. Online survey reminder	3. Response Rate Notification	**4. Finish survey**
02/15/2013 at 10:42:00 am	02/22/2013 at 10:42:00 am	Deactivated	03/08/2013 at 10:43:00 am

Date: 03/08/2013 at 10:43:00 am

Note: Please note that due to the execution of additional tasks, there could be small delays in processing.

☐ Automatic report dispatch (PDF) to the instructor(s) after closing the survey

☑ Send email to participants with access to online results

Sender (email): admin@localserver.com

Sender (name): Class Climate Admin

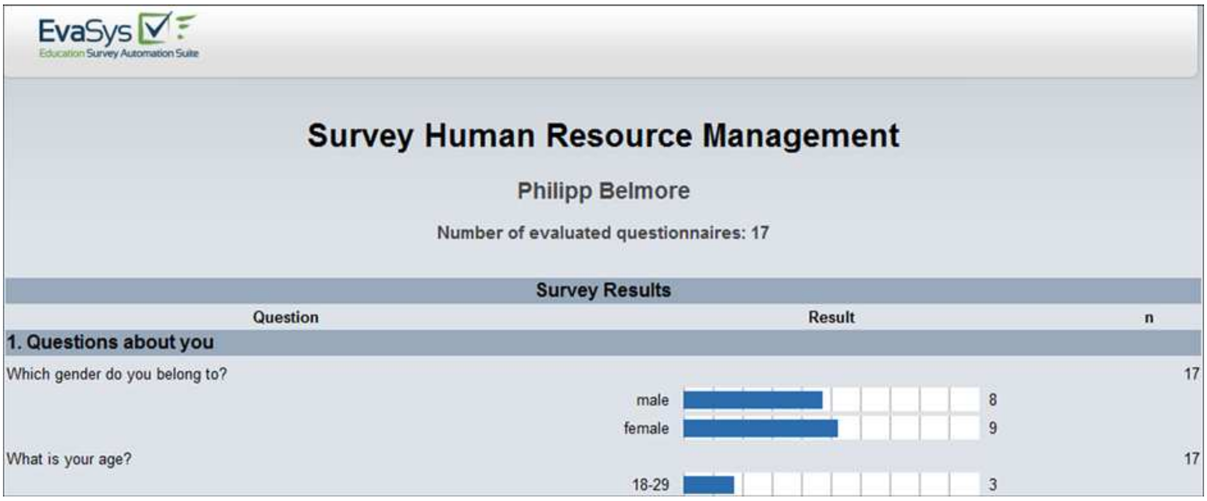
Reference: Result view online survey

Mail text:

```
This email entitles you to view the results of an online
survey.  Please follow the link and use the PSWD
displayed as identification.


The PSWD reads: [PSWD]
Access under: [SERVER]
```

Figure 163: Dispatch Email to Participants via Time-controlled Online Surveys

After activating the procedure “Close survey” the option “Send result access information to participants” appears. This way the dispatch of accessibility details is directly linked with the automated closure of the particular survey. Upon entering their PSWD, the authorized survey participants receive access to the HTML report:



Survey Human Resource Management

Philipp Belmore

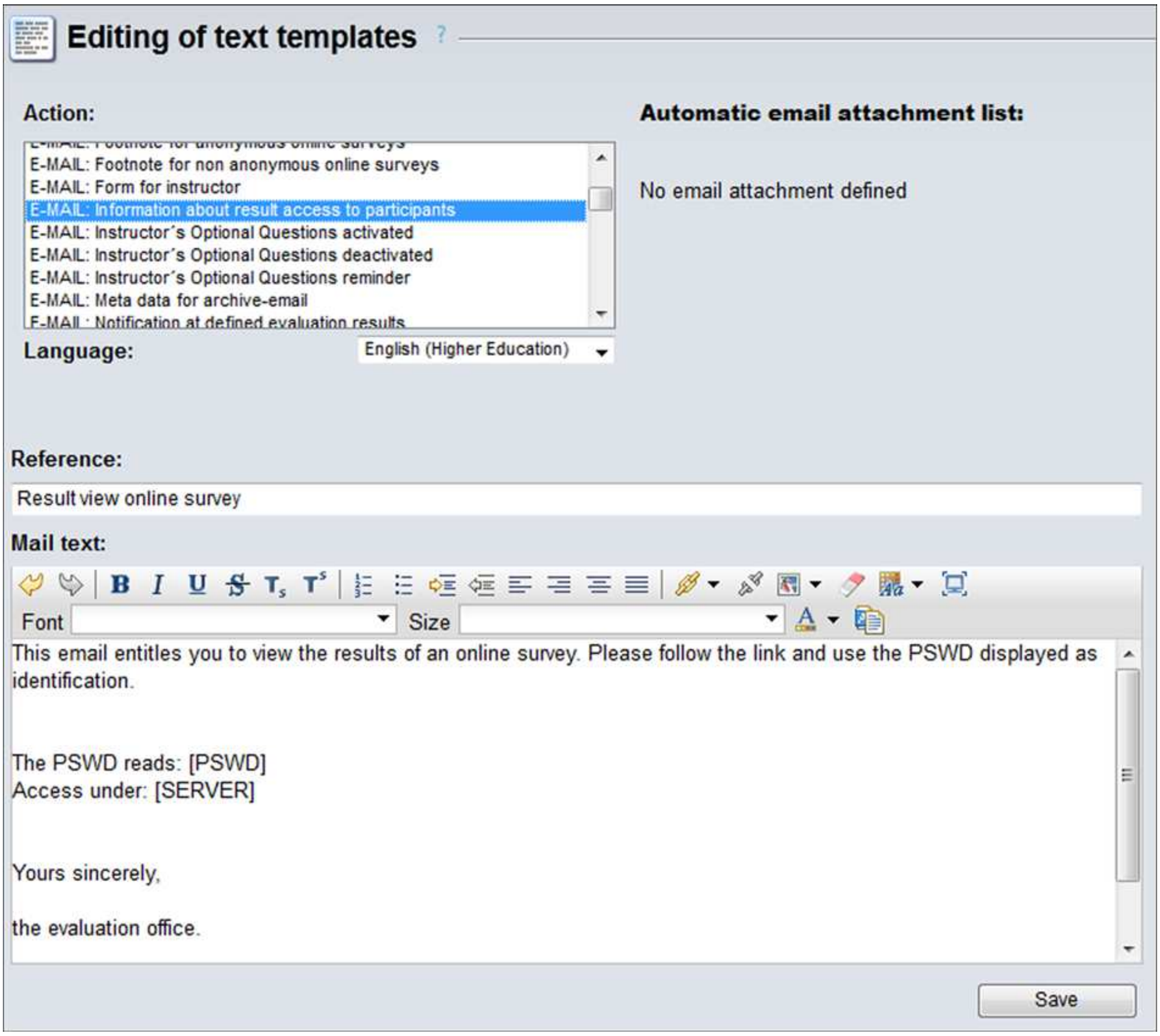
Number of evaluated questionnaires: 17

Survey Results

Question		Result	n
1. Questions about you			
Which gender do you belong to?			17
	male	8	
	female	9	
What is your age?			17
	18-29	3	

Figure 164: The HTML Report

The text templates (main menu “System Settings”/submenu on the left-hand side “Text Templates”) contains the text “E-mail: Information about result access to participants”. Here the standard text that is sent to the participants of a survey can be deposited as soon as the survey has been closed:


Editing of text templates
Action:
E-MAIL: Footnote for non anonymous online surveys
E-MAIL: Form for instructor
E-MAIL: Information about result access to participants
E-MAIL: Instructor´s Optional Questions activated
E-MAIL: Instructor´s Optional Questions deactivated
E-MAIL: Instructor´s Optional Questions reminder
E-MAIL: Meta data for archive-email
E-MAIL: Notification at defined evaluation results
Automatic email attachment list:
Font
Size
Save

No email attachment defined

Language: English (Higher Education)

Reference: Result view online survey

Mail text:

This email entitles you to view the results of an online survey. Please follow the link and use the PSWD displayed as identification.

The PSWD reads: [PSWD]
Access under: [SERVER]

Yours sincerely,

the evaluation office.

Figure 165: Editing the Email Text on Information for Online Survey Participants

3.8.10. Single Password Based Online Survey

Single Password Surveys can be created using two ways: On the one hand they can be created directly via the menu “Generate Surveys”, on the other hand every PSWD-based online survey can be subsequently converted to a single password survey.

For single password surveys which are to be created directly, you can predefine the method of creating the general password in the system settings (“System Settings/ EvaSys Settings/Survey Online/Creating Passwords for Single Password Surveys). You can either decide to use the contents of user defined course fields or the course ID or the system can create a password in PSWD format. Please note: A single password has to be system-wide unique. Should this not be the case when using contents of course user data fields, a password in PSWD format will be created instead. Single passwords may not contain blanks. These will be automatically converted to underscores.

If a PSWD-based online survey is to be subsequently converted to a single password survey, the PSWD-based survey may not yet have respondents. Click the name of the PSWD-based online survey to access the details. In the section “Actions” click the option “Convert to password based survey”.

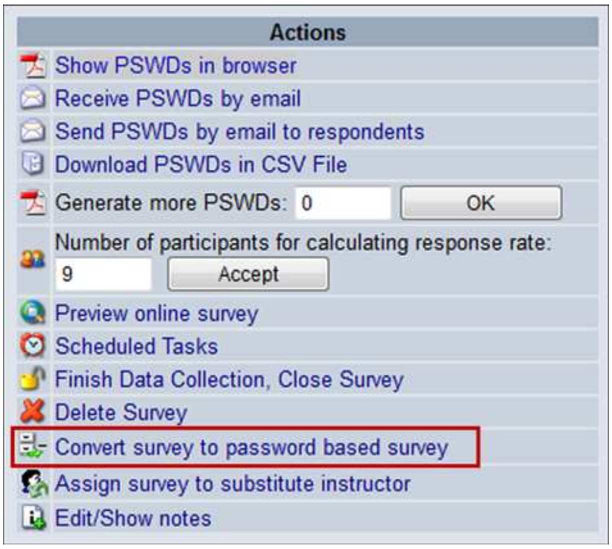
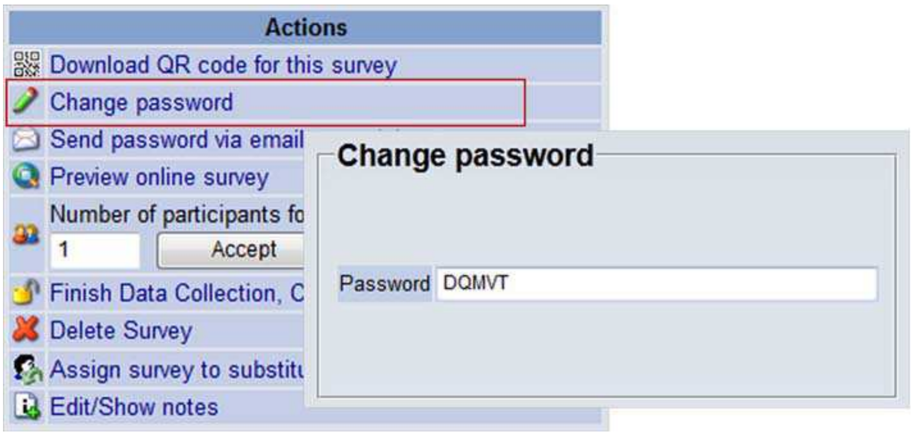

Actions
Show PSWDs in browser
Receive PSWDs by email
Send PSWDs by email to respondents
Download PSWDs in CSV File
Generate more PSWDs: 0
OK
Number of participants for calculating response rate:
9
Accept
Preview online survey
Scheduled Tasks
Finish Data Collection, Close Survey
Delete Survey
Convert survey to password based survey
Assign survey to substitute instructor
Edit/Show notes

Figure 166: Convert survey to password based survey

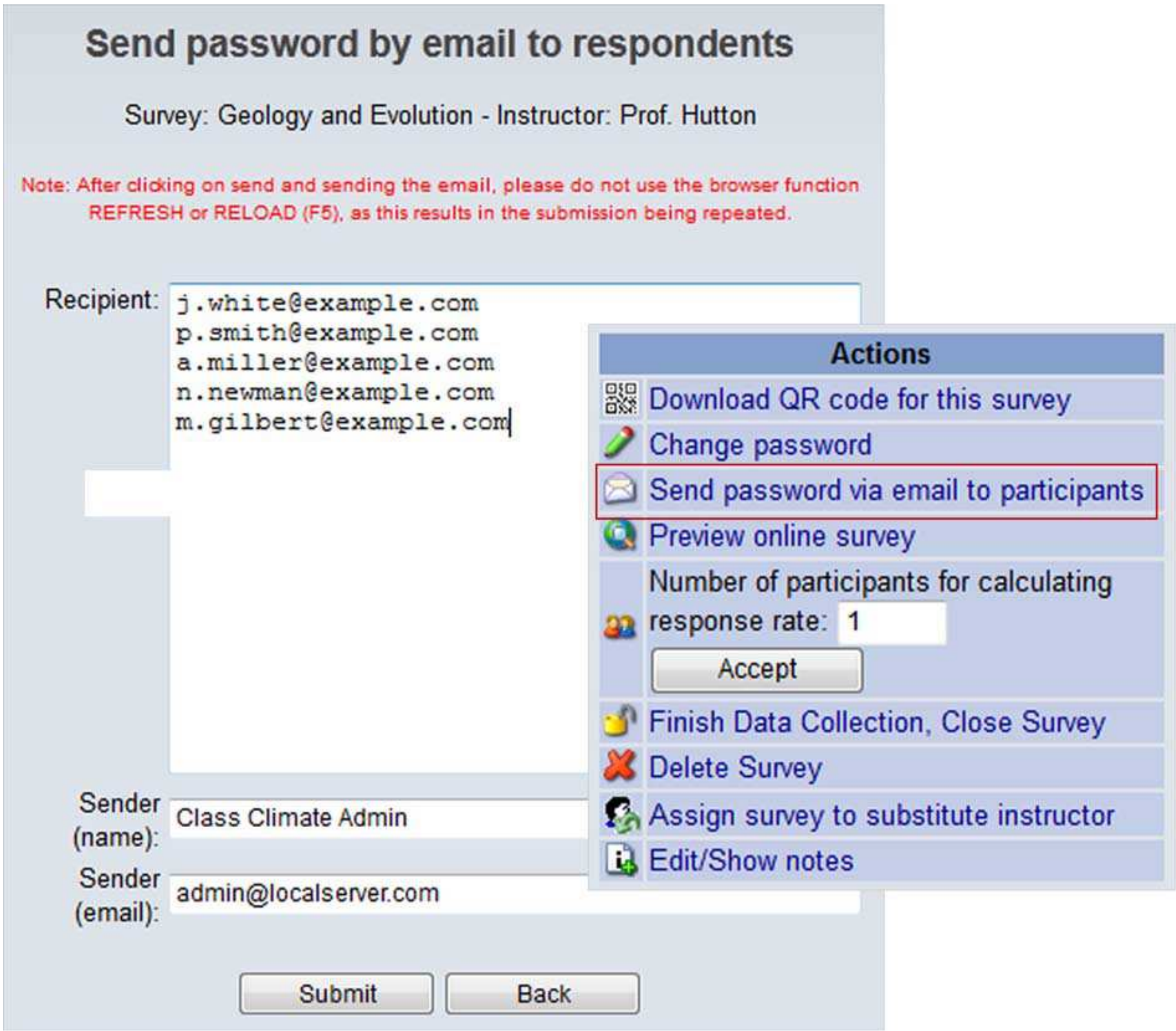
The PSWD based online survey will now be converted into a password based online survey. You will see a warning message that this operation cannot be undone. Confirm the message with [Yes]. By default, the password is the first PSWD of the original PSWD based survey. It can be adapted for single password surveys which have been converted from PSWD-based surveys as well as for single password surveys created directly. Click on the option “Change password”. This opens a dialog where you can enter the new password.


Actions
Download QR code for this survey
Change password
Send password via email
Preview online survey
Number of participants fo
1
Accept
Finish Data Collection, C
Delete Survey
Assign survey to substitu
Edit/Show notes
Change password

Password DQMVT

Figure 167: Change password

Now, if desired, and as long as the group of participants is known, the password can be sent to these. Click on the option “Send password via email to participants”. This opens an input window. In the field “Recipient” all email addresses that have been imported for the course are shown. If no addresses were imported, they can also be deposited manually afterwards. Click on [Submit] to start the sending.



Send password by email to respondents

Survey: Geology and Evolution - Instructor: Prof. Hutton

Note: After clicking on send and sending the email, please do not use the browser function REFRESH or RELOAD (F5), as this results in the submission being repeated.

Recipient:
```
j.white@example.com
p.smith@example.com
a.miller@example.com
n.newman@example.com
m.gilbert@example.com
```

Sender (name): Class Climate Admin

Sender (email): admin@localserver.com

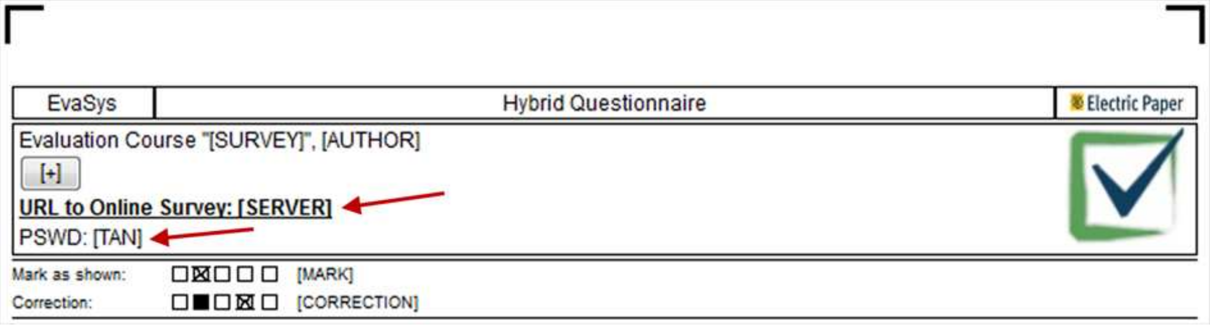
Submit
Back
Actions
Download QR code for this survey
Change password
Send password via email to participants
Preview online survey
Number of participants for calculating response rate: 1
Accept
Finish Data Collection, Close Survey
Delete Survey
Assign survey to substitute instructor
Edit/Show notes

Figure 168: Sending passwords to participants

3.9. Hybrid Surveys

You can use hybrid questionnaires to create surveys which are both online and on paper. The participants can take part using both mediums; they receive a paper questionnaire as well as a PSWD to participate in the questionnaire online. The PSWD and paper questionnaire are linked to each other. If the PSWD has been used, the data from the paper questionnaire is not evaluated, and vice versa.

The paper questionnaire and PSWD must be connected during the questionnaire creation process, by integrating a placeholder for the PSWD and online survey URL into the header of the questionnaire. You should therefore add rows to the questionnaire header if necessary, and add the placeholders [PSWD] and [SERVER] to the header. You may want to include an explanatory text. You can also exchange the logo in the questionnaire header for a QR Code, if so desired. Participants with mobile devices are then able to scan in the QR Code and access the online survey using their mobile device. (For more information on QR Codes, see chapter B 3.8.4. "Application of QR Codes".).



EvaSys	Hybrid Questionnaire	Electric Paper

Evaluation Course "[SURVEY]", [AUTHOR]

[+]

URL to Online Survey: [SERVER]

PSWD: [TAN]

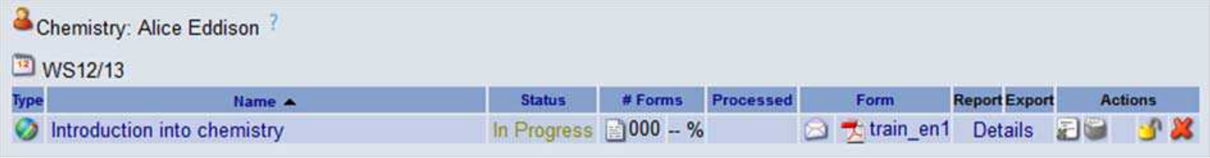
Mark as shown: ☐☒☐☐☐ [MARK]

Correction: ☐■☐☒☐ [CORRECTION]

Figure 169: Hybrid Questionnaire: Questionnaire header with placeholders [PSWD] and [SERVER]

Note:
A hybrid questionnaire is only useful if the paper questionnaire includes a placeholder for the PSWD!

Once the hybrid questionnaire has been created using the menu “Generate Surveys” in the main menu “Subunits,” it will appear in the survey list. You can recognize the hybrid questionnaire by its icon, a combination of a globe and a pencil:



Chemistry: Alice Eddison

WS12/13

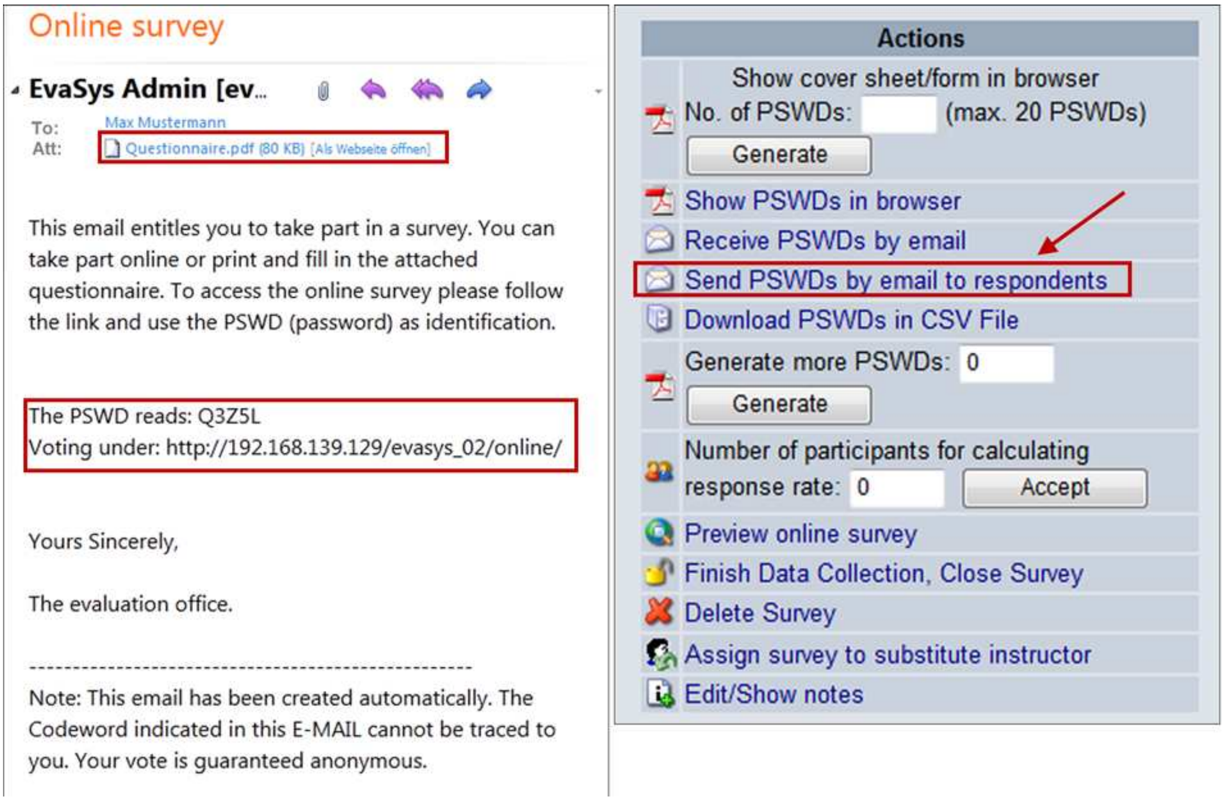
Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Introduction into chemistry	In Progress	000 -- %		train_en1	Details		

Figure 170: Hybrid Questionnaire: Display in the Survey List

Click on the name of the survey to access the survey details. You will see a variety of options for printing the questionnaire and/or sending PSWDs. There are two basic ways to carry out a hybrid survey:

- Send the PSWDs to participants; the paper questionnaire is attached to the email to print out as an alternative option
- Distribute paper questionnaires to the participants; the PSWD for filling out the survey online is printed on the questionnaire

To send the PSWDs to participants via email, click “Send PSWDs to the Participants via Email.” The survey participants will then receive an email which contains information on the online survey as well as the paper questionnaire:



Online survey
EvaSys Admin [ev...
To:
Att:
Questionnaire.pdf (80 KB) [Als Webseite öffnen]
Actions
Show cover sheet/form in browser
No. of PSWDs:
(max. 20 PSWDs)
Generate
Show PSWDs in browser
Receive PSWDs by email
Send PSWDs by email to respondents
Download PSWDs in CSV File
Generate more PSWDs: 0
Generate
Number of participants for calculating response rate: 0
Accept
Preview online survey
Finish Data Collection, Close Survey
Delete Survey
Assign survey to substitute instructor
Edit/Show notes

To: Max Mustermann

This email entitles you to take part in a survey. You can take part online or print and fill in the attached questionnaire. To access the online survey please follow the link and use the PSWD (password) as identification.

The PSWD reads: Q3Z5L
Voting under: http://192.168.139.129/evasys_02/online/

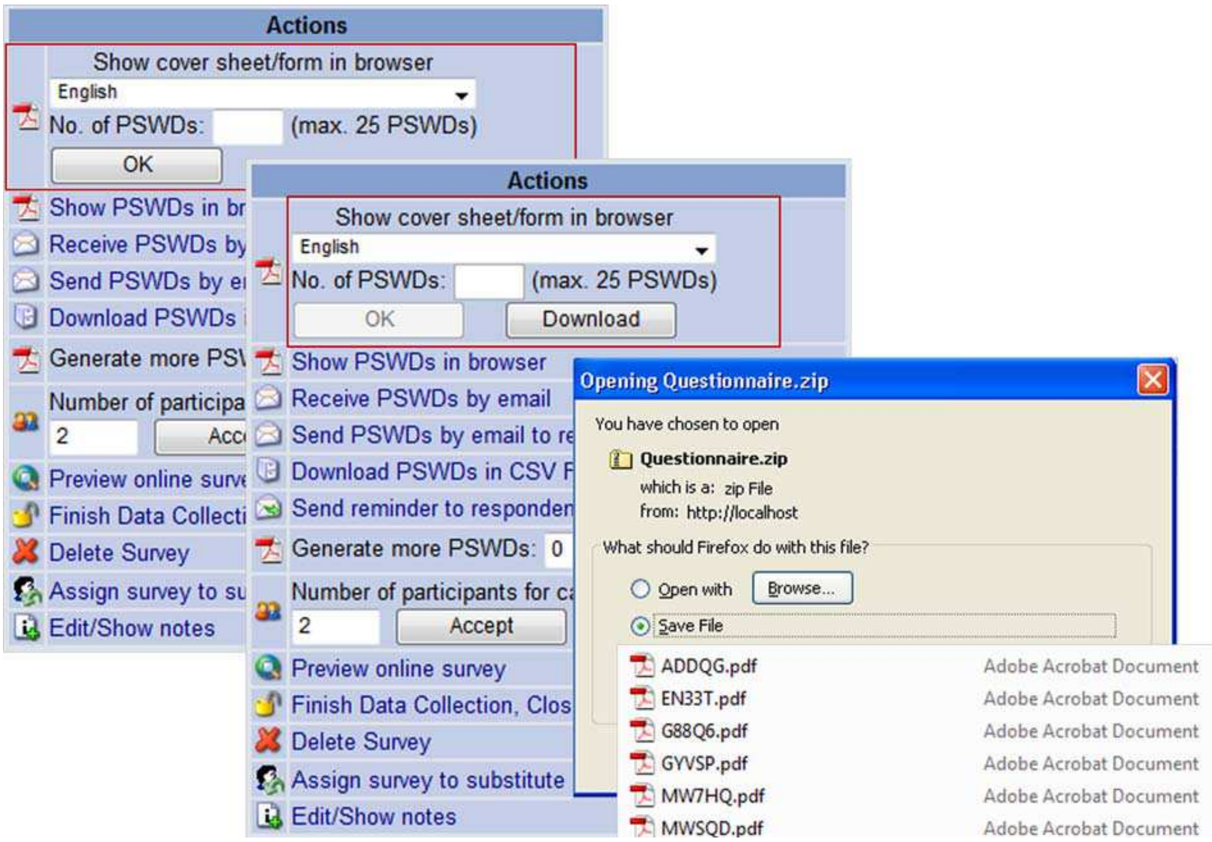
Yours Sincerely,

The evaluation office.

Note: This email has been created automatically. The Codeword indicated in this E-MAIL cannot be traced to you. Your vote is guaranteed anonymous.

Figure 171: Hybrid Questionnaire: Sending PSWDs and Questionnaires via Email

To send the questionnaire, enter the number of PSWDs needed for the combined paper and online questionnaire in “Cover Sheet/Display Questionnaire,” and click on [Show]. The page will reload and you will see a [Download] button, which will allow you to open a zip file which contains a PDF questionnaire for every participant (this number is the same as the number of PSWDs required). The questionnaires can now be printed and distributed to the participants.


Actions
Show cover sheet/form in browser
English
No. of PSWDs:
(max. 25 PSWDs)
OK
Show PSWDs in br
Receive PSWDs by
Send PSWDs by e
Download PSWDs
Generate more PS
Number of participa
2
Acc
Preview online surv
Finish Data Collecti
Delete Survey
Assign survey to su
Edit/Show notes
Actions
Show cover sheet/form in browser
English
No. of PSWDs:
(max. 25 PSWDs)
OK
Download
Show PSWDs in browser
Receive PSWDs by email
Send PSWDs by email to re
Download PSWDs in CSV F
Send reminder to responden
Generate more PSWDs: 0
Number of participants for c
2
Accept
Preview online survey
Finish Data Collection, Clos
Delete Survey
Assign survey to substitute
Edit/Show notes
Opening Questionnaire.zip
Open with
Browse...
Save File

You have chosen to open

Questionnaire.zip

which is a: zip File

from: http://localhost

What should Firefox do with this file?

○ Open with

● Save File

ADDQG.pdf	Adobe Acrobat Document
EN33T.pdf	Adobe Acrobat Document
G88Q6.pdf	Adobe Acrobat Document
GYVSP.pdf	Adobe Acrobat Document
MW7HQ.pdf	Adobe Acrobat Document
MWSQD.pdf	Adobe Acrobat Document

Figure 172: Hybrid Questionnaires: Downloading Questionnaires

Note:

The placeholder in the header of the PDF questionnaires ensures that each questionnaire contains a PSWD; each questionnaire also has a serial number. In combination, the PSWD and serial number ensure that the participant can only fill out the survey in one medium (paper or online). Questionnaires cannot be copied, as this would create duplicate PSWDs and serial numbers. Always print the questionnaires!

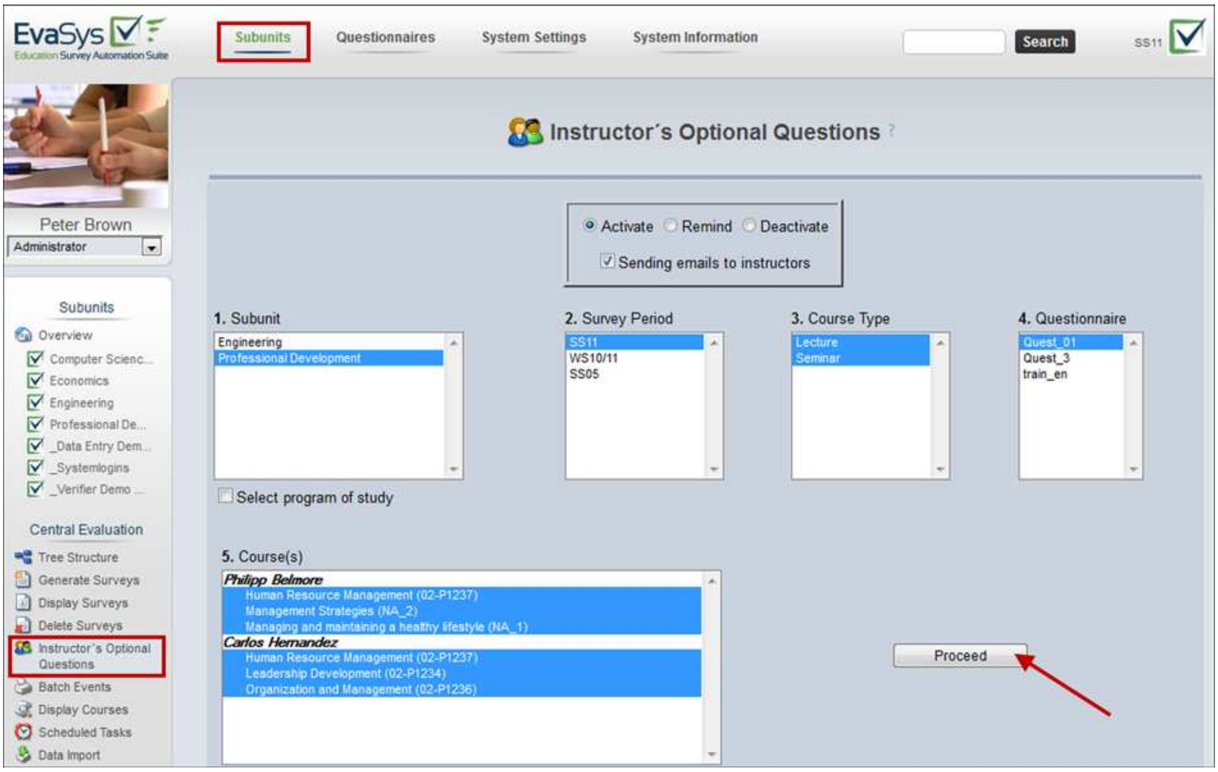
In addition, please note that: With hybrid questionnaires, the individual questionnaire sets must always be completely scanned in one batch. If you scan one set in two batches, the pages are rejected from the second batch because the PSWD is already viewed as used up.

You can access the PDF report as well as the raw data for the hybrid survey once it is complete. The CSV raw data shows which medium participants used to fill out their questionnaires (Paper = P, Online = O, Online with mobile device = M).

3.10. Adding Questions Using the Instructor’s Optional Questions

The function “Instructor’s Optional Questions” was developed in order to give instructors, also in the Central Evaluation, the opportunity to create their own individual questions for the questionnaires for their courses.

To use the instructor's optional questions, you should activate the template mode in the VividForms questionnaire, and set the maximum number of pages and possible elements, whereby every item that can be selected is an element, e.g. question groups, question, image, and also line spaces or separators. You can also set that an instructor is only allowed to add new elements at the end. If these options are not activated, the instructor can expand the questionnaire of the instructor's optional questions at any place, with as many elements as desired.


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Subunits
Overview
Computer Scienc...
Economics
Engineering
Professional De...
_Data Entry Dem...
_Systemlogins
_Verifier Demo ...
Central Evaluation
Tree Structure
Generate Surveys
Display Surveys
Delete Surveys
Instructor's Optional Questions
Batch Events
Display Courses
Scheduled Tasks
Data Import

Instructor´s Optional Questions

● Activate ○ Remind ○ Deactivate

☑ Sending emails to instructors

1. Subunit
Engineering
Professional Development

☐ Select program of study

2. Survey Period
SS11
WS10/11
SS05

3. Course Type
Lecture
Seminar

4. Questionnaire
Quest_01
Quest_3
train_en

5. Course(s)
Philipp Belmore
Human Resource Management (02-P1237)
Management Strategies (NA_2)
Managing and maintaining a healthy lifestyle (NA_1)
Carlos Hernandez
Human Resource Management (02-P1237)
Leadership Development (02-P1234)
Organization and Management (02-P1236)

Figure 173: Activate Instructor’s Optional Questions

3.10.1. Activate Instructor’s Optional Questions (Administrator Account)

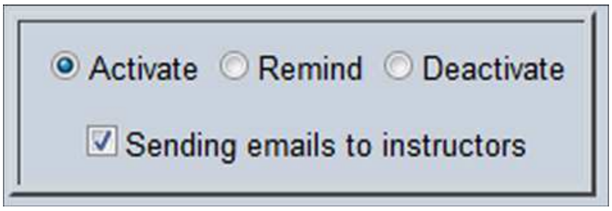
After the creation of surveys the administrator can activate the Instructor’s Optional Questions (“System Settings/EvaSys Settings/Survey/Instructor's Optional Questions: activation status”), which offers access to a website.

On this webpage instructors can enter their questions. The EvaSys item library can be made use of as it offers a collection of valid items (“System Settings/EvaSys Settings/ Survey/Instructor’s Optional Questions: question library” -> activated).

Changes to the course data can be either authorized or blocked (“System Settings/ EvaSys Settings/Survey/Instructor’s Optional Questions: modify course data” -> Activated).

This procedure offers the opportunity to send instructors the personalized PDF questionnaire for printing once they have completed the Instructor’s Optional Questions. Alternatively these emails can be sent to the addresses of those responsible for the production of the questionnaires (“System Settings/EvaSys Settings/Survey/Instructor's Optional Questions: direct delivery of questionnaire/PSWDs" or "System Settings/EvaSys Settings/Email Functions & Accounts/Instructor's Optional Optional Questions: group address").

To configure the Instructor's Optional Questions proceed as follows: Open the menu "Instructur's Optional Questions" in the main menu "Subunits". Select 1. the subunit, 2. the survey period, 3. the course type, 4. the questionnaire and 5. the course(s). Select now: activate.


● Activate ○ Remind ○ Deactivate

☑ Sending emails to instructors

Figure 174: Activate Instructor's Optional Questions

Personalized emails are sent to all instructor accounts for all selected courses. These emails contain a link to the webpage of Instructor's Optional Questions.

Example:

Such an email could read as follows:

Dear Mr. Example,

The Instructor's Optional Questions has been activated for you. You can enter questions for the survey or course "Time Management" by clicking on the link given below. Alternatively you can copy the complete link and enter it into the address line of your Internet browser.

Link:http://localhost/evasys/mask.php?mode=show&tan=C7XES

Your EvaSys Administrator

After clicking on the link the Instructor's Optional Questions a new window appears where the instructor can change some settings concerning the course. At the top the instructor can supplement or if necessary correct information concerning the course.

3.10.2. Use of a VividForms Questionnaire

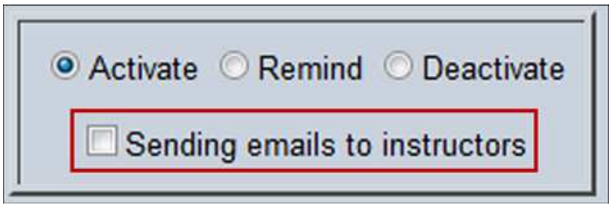
When using a VividForms questionnaire the recipient will receive a template with options to extend the existing questionnaire using the VividForms Editor. The administrator can limit the size of the questionnaire by defining a maximum number of pages when creating the form template.

3.10.3. Remind and Deactivate

The instructor is reminded of the Instructor's Optional Questions. Again the link is entered in the email.

Optionally, the dispatch of emails can be prevented by activating the option “No email submission”. In this case the instructor will not receive information on activation or deactivation of the instructor's optional questions.

The Instructor's Optional Questions are deactivated and can no longer be accessed. Optionally, the dispatch of emails can also here be prevented by activating the option “No email submission”.


● Activate ○ Remind ○ Deactivate

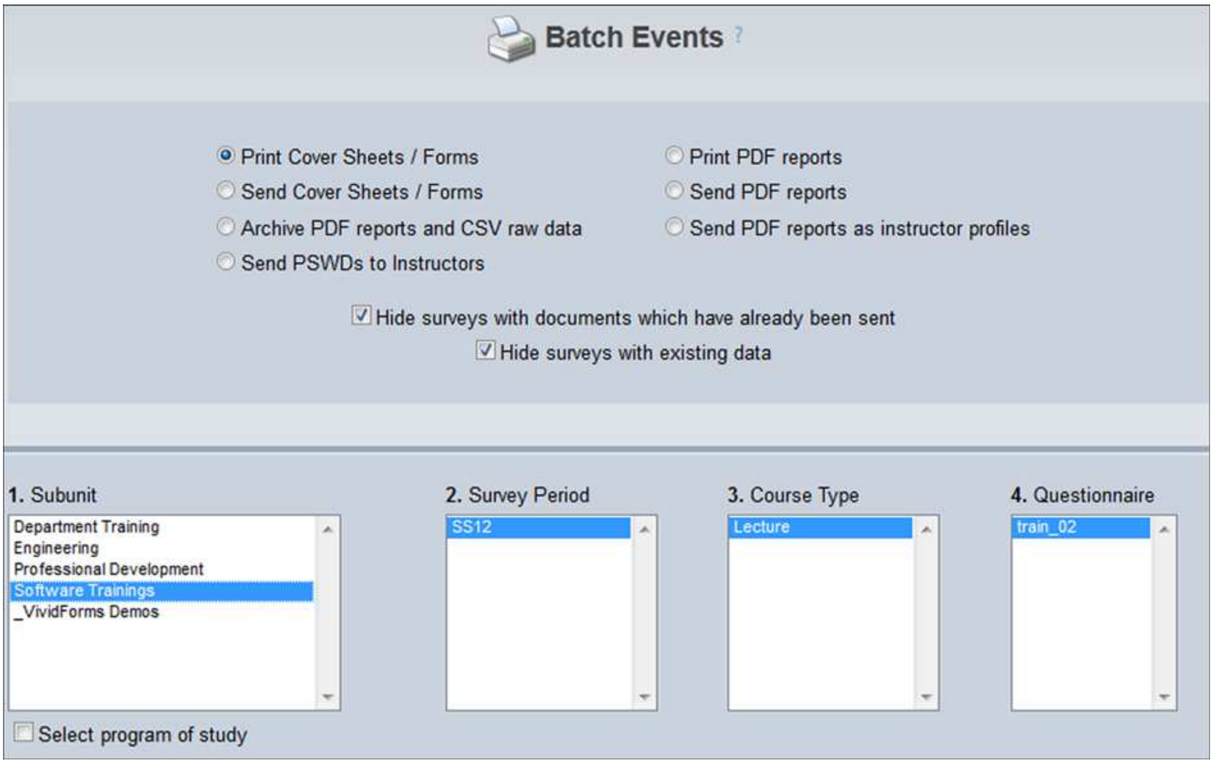
☐ Sending emails to instructors

Figure 175: No Submission of Emails to the Instructor

The text of the relevant emails can be edited in the menu System Settings/Text Templates (“E-MAIL: Instructor’s Optional Questions activated”, “EMAIL: Instructor’s Optional Questions reminder” and “E-MAIL: Instructor’s Optional Questions deactivated”).

The administrator can edit the surveys where the Instructor’s Optional Questions are activated by opening the list of surveys (main menu “Subunits”, there “Display Surveys”).

3.11. Batch Events


Batch Events

● Print Cover Sheets / Forms
○ Send Cover Sheets / Forms
○ Archive PDF reports and CSV raw data
○ Send PSWDs to Instructors
○ Print PDF reports
○ Send PDF reports
○ Send PDF reports as instructor profiles

☑ Hide surveys with documents which have already been sent
☑ Hide surveys with existing data

1. Subunit: Department Training, Engineering, Professional Development, Software Trainings (selected), _VividForms Demos

2. Survey Period: SS12

3. Course Type: Lecture

4. Questionnaire: train_02

☐ Select program of study

Figure 176: Batch Events

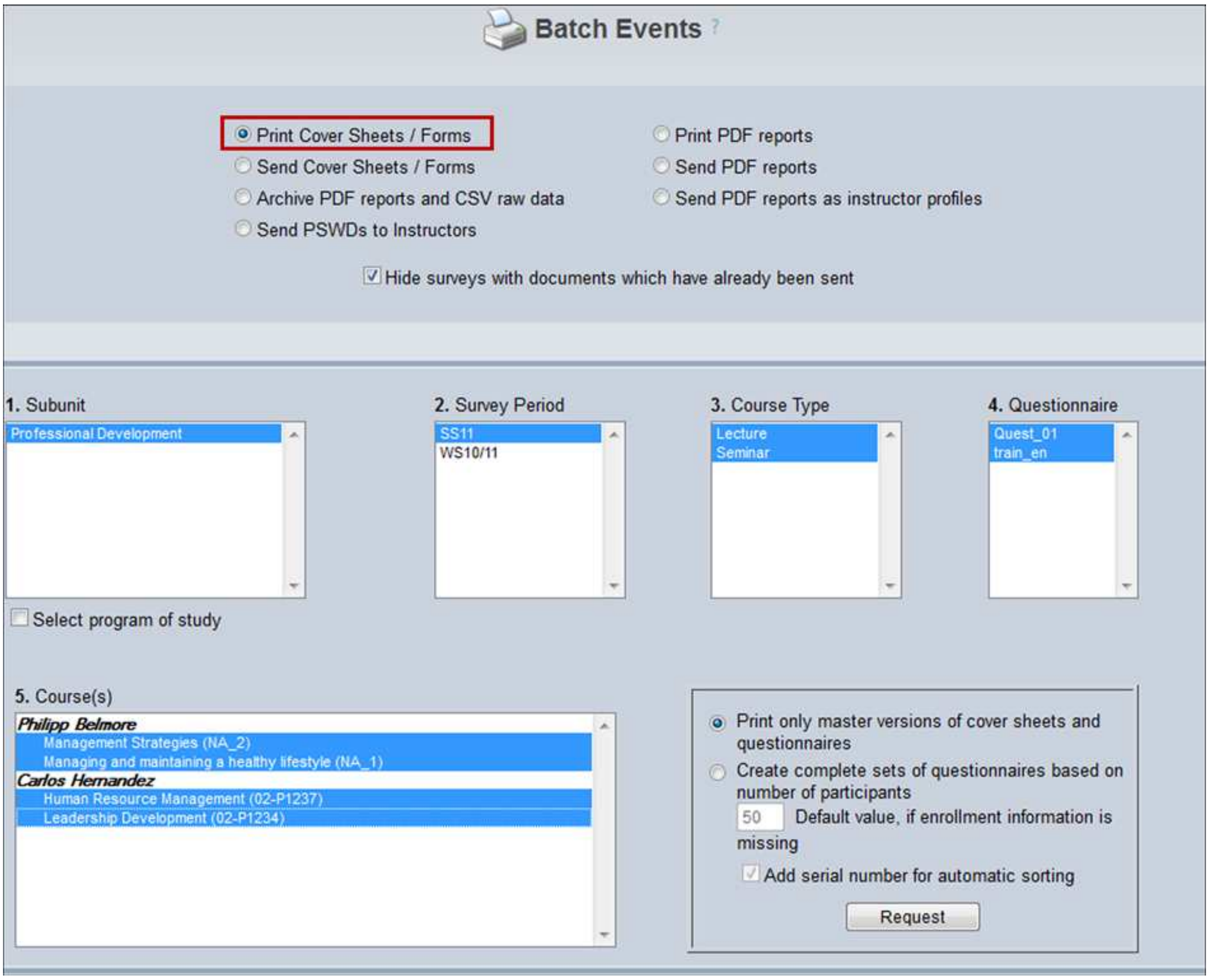
The batch events are located in the menue “Subunits/Batch Events”. They offer various process automation possibilities connected to the distribution of survey forms and survey reports. Please observe that when selecting subunits, survey periods, course types and courses, multiple selections can be made by pressing and holding down the “Ctrl” key. The following processes may be selected in batch mode:

3.11.1. Print Cover Sheets/Forms

For a selection of surveys the personalized cover sheets or questionnaires will be generated as a single PDF file. It is possible to generate either a master copy or complete sets of questionnaires based on enrolment figures. You can define the maximum number of pages in a batch event under System Settings/EvaSys Settings/VividForms/Maximum amount of pages that can be printed through batch printing of forms.

The batch printing function enables you to create a large number of personalized cover sheets or questionnaires as PDF files.

Select 1. the subunit, 2. the survey period, 3. the course type, 4. the questionnaire as well as 5. a multiple choice of courses (press Ctrl key).



● Print Cover Sheets / Forms
○ Send Cover Sheets / Forms
○ Archive PDF reports and CSV raw data
○ Send PSWDs to Instructors
○ Print PDF reports
○ Send PDF reports
○ Send PDF reports as instructor profiles

☑ Hide surveys with documents which have already been sent

1. Subunit: Professional Development

2. Survey Period: SS11 (WS10/11)

3. Course Type: Lecture, Seminar

4. Questionnaire: Quest_01, train_en

☐ Select program of study

5. Course(s)

Philipp Belmore
Management Strategies (NA_2)
Managing and maintaining a healthy lifestyle (NA_1)
Carlos Hernandez
Human Resource Management (02-P1237)
Leadership Development (02-P1234)

● Print only master versions of cover sheets and questionnaires
○ Create complete sets of questionnaires based on number of participants
50 Default value, if enrollment information is missing
☑ Add serial number for automatic sorting

Figure 177: Batch Events: Selecting Courses for Printing Cover Sheets/Forms

Then decide, if you want to request one copy of each cover sheet/questionnaire or if you want to print questionnaires according to enrollment figures, i.e. according to the number of participants assigned to a course.

By default, the PDF document of a cover sheet survey only contains the cover sheet and not the questionnaire. If you want the questionnaire to be produced as well, activate the option “Batch printing: form printing when using the cover sheet procedure” in the menu “System Settings/EvaSys Settings/Functions”. Please be aware, that this setting is only valid for printing cover sheets and forms and not for sending them.

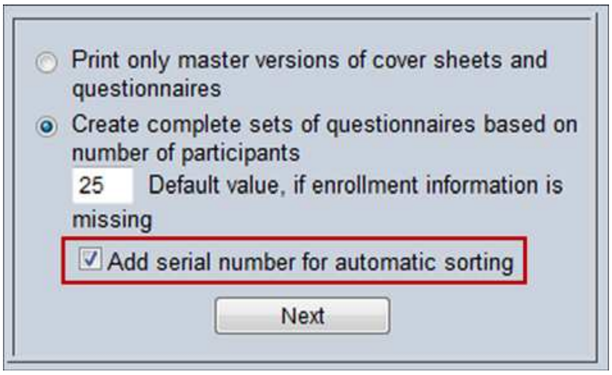
If you want to print your questionnaires double-sided, you can also activate the option “Batch printing: Duplex printing” in the menu “System Settings/EvaSys Settings/Functions”. Then the PDF document will contain blank pages which are necessary for double-sided printing (i.e. after a cover sheet or with questionnaires with an odd number of pages).

Surveys in hard copy procedure have the option to include all the questionnaires needed in the PDF document and to number them serially. When each questionnaire has its own number then the consistency of each data set during scanning can be guaranteed. This is especially important when your form has a number of pages. Should the pages get mixed up when scanning a batch then the unique number on each questionnaire will allow them to be correctly sorted.

The number of questionnaires for printing is based on the number of participants. If this information is missing then a default value can be entered into the entry field.

You can now use the batch print feature without needing the serial number (hard copy procedure) if you deactivate the option “Add serial number for automatic sorting”.

This is useful in case you are unable to prevent forms being duplicated during the survey process, and you need to collect all data despite having multiple identical serial number IDs.



○ Print only master versions of cover sheets and questionnaires

● Create complete sets of questionnaires based on number of participants

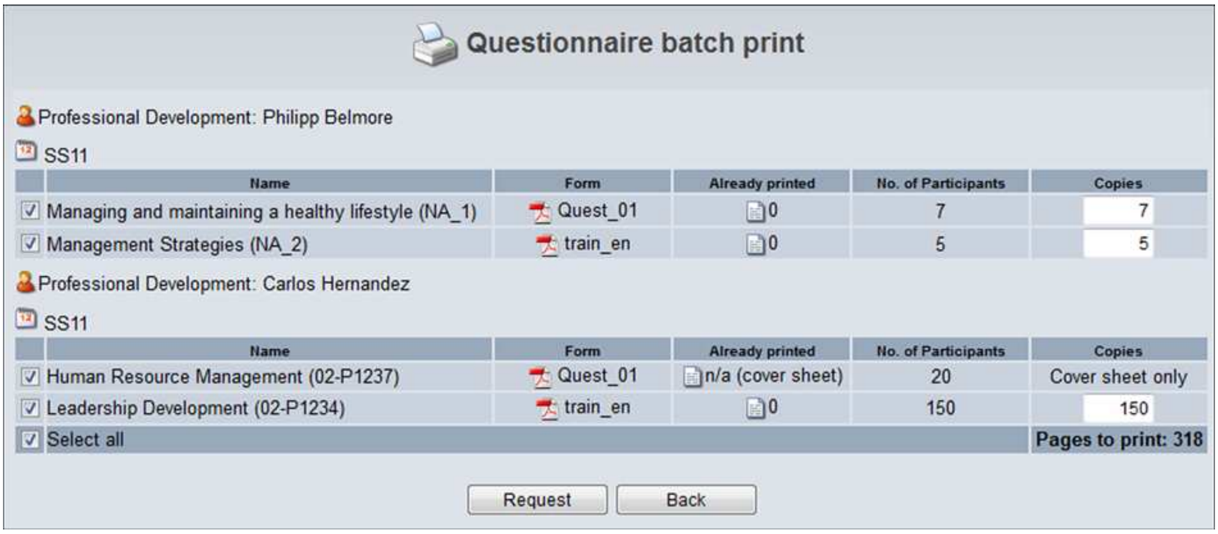
25 Default value, if enrollment information is missing

☑ Add serial number for automatic sorting

Figure 178: Batch Events: Producing Questionnaires with Page Numbering

Click [Request] to begin the procedure. You will now be redirected to a page displaying an overview of the courses you have selected. Each of the columns in the table show the name of the course, the questionnaire used, the number of questionnaires already printed, the number of participants of the course and the number of questionnaires still to be printed.

The number of copies is equal to the number of participants of the course. If, in an earlier process, questionnaires for a course were created using the batch printing function, this is considered in the number of copies made. The number of copies can be altered retrospectively, so that larger or smaller quantities can be printed. In the footer, the total number of pages to be printed is stated, whereby the page number of the PDF file can be checked.



Questionnaire batch print

Professional Development: Philipp Belmore

SS11

Name	Form	Already printed	No. of Participants	Copies
☑ Managing and maintaining a healthy lifestyle (NA_1)	Quest_01	0	7	7
☑ Management Strategies (NA_2)	train_en	0	5	5

Professional Development: Carlos Hernandez

SS11

Name	Form	Already printed	No. of Participants	Copies
☑ Human Resource Management (02-P1237)	Quest_01	n/a (cover sheet)	20	Cover sheet only
☑ Leadership Development (02-P1234)	train_en	0	150	150
☑ Select all				Pages to print: 318

Figure 179: Batch Events: Questionnaire Batch Printing

If necessary, each course can also be retrospectively deselected or later reselected, by activating or deactivating the checkbox in the first column.

To start creating a PDF file, click on the button [Request]. Depending on the number of questionnaires/cover sheets to be created, the processing of the request can take up to several minutes. If you have selected more pages than allowed for in the system settings (cf. “System Settings/EvaSys Settings/VividForms/Maximum amount of pages that can be printed through batch printing of forms”), a warning appears, requesting that the number of copies to be printed be reduced.

As soon as the PDF file is completed, a download window appears in your browser. Now save the file to your hard disk or open it directly.

To print further pages for the same course, click on the button [Refresh]. The list is refreshed and you can make a new selection.

3.11.2. Send Cover Sheets/Forms

This function emails the personalized cover sheets or questionnaires to the people who are linked to the respective surveys. Both the text of the email message and that of the attached documents can be configured in Settings/Text Templates.

After selecting the batch event, type “Send Cover Sheets/Forms.” The option boxes are completed automatically. Choose a subunit and the corresponding options. In 5. a list of courses which correspond to the selection will be displayed. Only those courses which have survey processes without response data linked to them will appear.

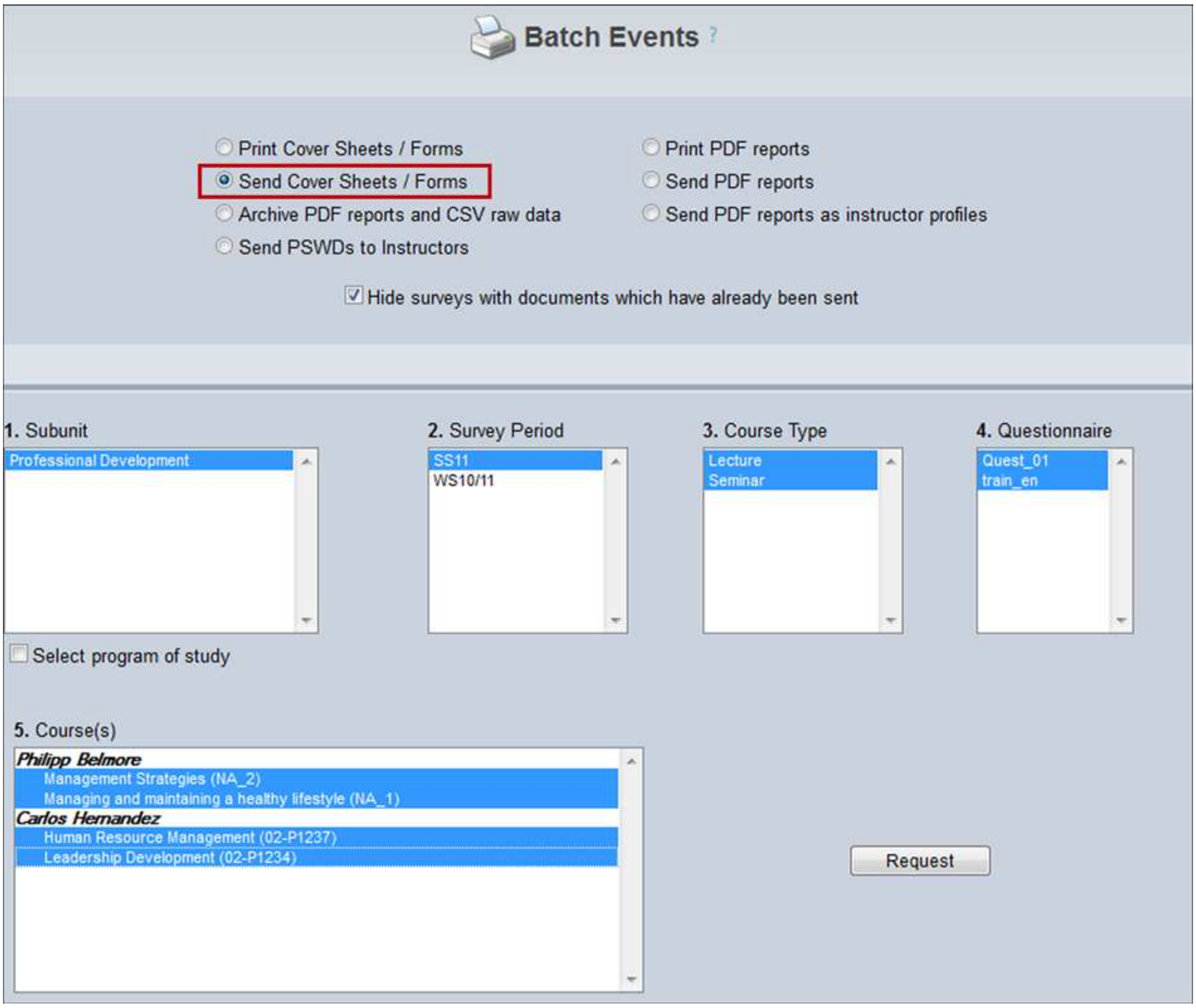
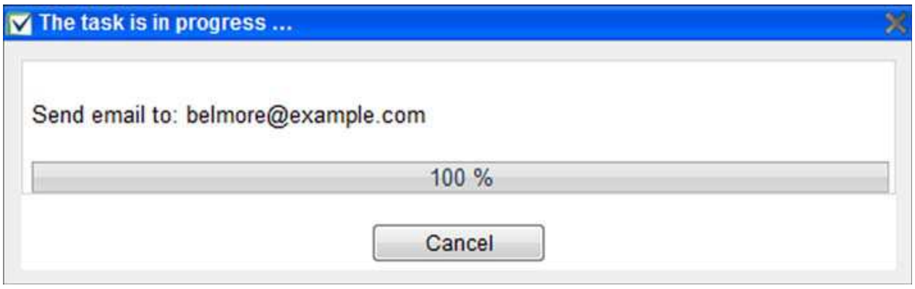

Batch Events
○ Print Cover Sheets / Forms
● Send Cover Sheets / Forms
○ Archive PDF reports and CSV raw data
○ Send PSWDs to Instructors
○ Print PDF reports
○ Send PDF reports
○ Send PDF reports as instructor profiles
☑ Hide surveys with documents which have already been sent
1. Subunit
Professional Development
2. Survey Period
SS11
WS10/11
3. Course Type
Lecture
Seminar
4. Questionnaire
Quest_01
train_en
☐ Select program of study
5. Course(s)
Philipp Belmore
Management Strategies (NA_2)
Managing and maintaining a healthy lifestyle (NA_1)
Carlos Hernandez
Human Resource Management (02-P1237)
Leadership Development (02-P1234)
Request

Figure 180: Batch Events: Send Cover Sheets/Forms

Click on [Request] to start batch emailing. A progress bar shows the status of the email submission process.


The task is in progress ...
Cancel

Send email to: belmore@example.com

100 %

Figure 181: Batch Events: Email Submission

To abort the email submission click on [Cancel].

After the mailing process is complete the system will show a listing of successful and unsuccessful submissions. All outgoing email will be logged under “Deliveries” in the menu “System Settings”.

3.11.3. Archive PDF Reports and CSV Raw Data

Your existing PDF reports and CSV raw data can be archived by sending them to the email address defined in the configuration (“System Settings/EvaSys Settings/Email Functions & Accounts/Email address of the archive”). In this way, legacy data can be exported with a complete audit trail and subsequently deleted from EvaSys, increasing and maintaining clarity of the system. During the export, you can determine whether just PDF reports or CSV data, or both, are to be archived.

This option is only available if you have activated the archive function of the batch events in the menu “System Settings/EvaSys Settings/Email Functions & Accounts/ Archive mailing of PDF reports” and entered a valid email address in the menu “System Settings/EvaSys Settings/Email Functions & Accounts/Email address of the archive”.

3.11.4. Send PSWDs to Instructors

For online surveys the PDF files containing the PSWD codes can be sent to the survey owners by email. This option is only available if you have selected the option “2: PDF lists of PSWDs for printing and distribution are sent to the instructors” in the menu “System Settings/EvaSys Settings/Email Functions & Accounts/Delivery method PSWDs (central evaluation).

Select the courses which require the PSWD lists to be delivered to the survey owners. The submission will be started by clicking [Request].

3.11.5. Print PDF Reports

For surveys that have already been evaluated, the evaluations of a selection of courses can be requested. There are two possibilities:

- The PDF reports of the selected courses are created together in a common PDF file. This is advantageous for example, when the PDF reports for multiple courses are to be printed at the same time.
- The PDF reports requested are summarized as single PDF files in a ZIP file. This is advantageous for example, when the single PDF files are to be passed on in electronic format, deposited in a public folder or, when one wants to print them individually.

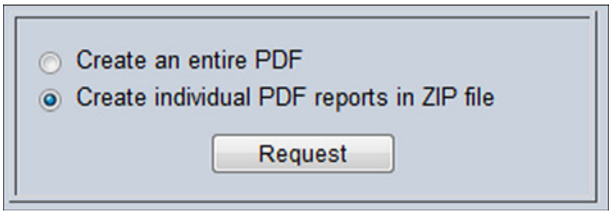

○ Create an entire PDF
● Create individual PDF reports in ZIP file

Figure 182: Batch Events: Print PDF Report

For each of the PDF reports in the ZIP file it is possible, where necessary, to configure the naming of individual files in advance. In the central system settings (menu “System Settings/EvaSys Settings/Functions/Batch Events: Naming conventions for PDF

Reports in ZIP files") with the aid of placeholders, a naming convention can be deposited. By default, the following placeholders are used:

[SUBUNIT]-[SURNAME]-[FIRSTNAME]-[SURVEYID]-[SURVEY].

The following placeholders are available:

Placeholder	Meaning	Example
[SURVEY]	Name of Survey	Political Economics 1 A
[SURVEYID]	Survey ID	23456
[QUESTIONARY]	Name of Questionnaire	DEMOFORM
[COURSETYPE]	Name of the Type of Course	Seminar
[SUBUNIT]	Name of the Subunit	Economics
[COURSENAME]	Name of the Course	Political Economics1 A
[COURSEID]	Course ID	0112345
[LECTURER]	Name of Instructor	Prof. Dr. Max Mustermann
[SURNAME]	Surname of Instructor	Mustermann
[FIRSTNAME]	Forename of Instructor	Max
[ISO_DATE]	Date in ISO syntax	2011-03-08
[ISO_DATETIME]	Date with time in ISO format	2011-03-08T16:19:20
[TIMESTAMP]	Date given according to the date and time format configured in EvaSys	10.12.2010_091853
[CURRENTDATE]	Date given according to the date format configured in EvaSys	10.12.2010

Tabelle 10: Placeholder

Special characters are filtered out of the filenames and spaces are replaced by underscores. If a file name is not unique, for example because a course ID appears more than once, the file name is amended with a counter. When defining the naming conventions, the following characters and special characters may be used:

- All letters and numbers
- Round brackets (Parenthesis): ( )
- Square brackets: [ ]
- Hyphen : -
- Comma: ,
- Period or full stop (dot): .
- Equals sign: =
- Underscore: _

3.11.6. Send PDF Reports

You can determine that an instructor receives all evaluations of his courses accumulated in one email. To do this, please activate the option “Reports of all courses of an instructor collected in one email”. Should this not be the case, the instructor will receive a separate email for each course. Please observe the defined maximum number and size for email attachments (“System Settings/EvaSys Settings/Email Functions & Accounts/ Maximum number of attachments” respectively “Maximum size of attachments”).

In the menu “System Settings/Text Templates” the relevant email text can be edited (“E-MAIL:Results of a survey” and “E-MAIL:Results of a survey (Summary)”).

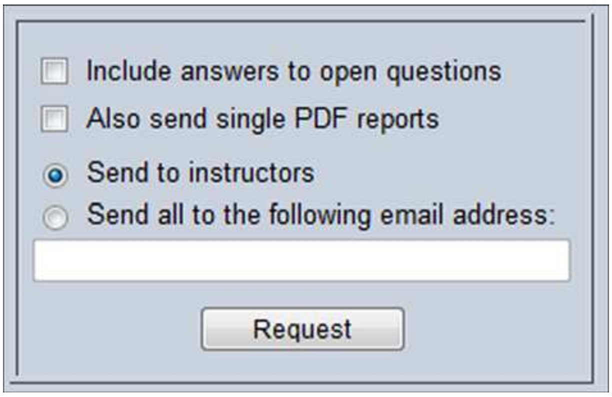
3.11.7. Send PDF Reports as Instructor Profiles

You can send your instructor profile for surveys that have already been evaluated as a batch email. By activating the option „Include courses with secondary instructors in instructor profiles”, courses with additional report recipients are also included.

You can determine whether or not the answers to open questions are to be included in your instructor profile. To do this, please activate the option “Include answers to open questions”.

If the respective instructor, in addition to his profile, is to receive a detailed report for each of his courses, simply activate the option “Also send single PDF reports”.

Furthermore, you can determine whether profiles and PDF reports are sent solely to the respective instructor (“Send to instructors”) or only to a specified email address (“Send all to the following email address”).



☐ Include answers to open questions
☐ Also send single PDF reports
● Send to instructors
○ Send all to the following email address:

Figure 183: Batch Events: Dispatch PDF Reports as Instructor Profile

The option “hide surveys with dispatched documents” makes sure that no batch event will be used more than once on the same course.

3.12. Non-anonymous Surveys

Surveys in EvaSys run by default assuming and protecting the anonymity of the survey participants.

Should the identities of the survey participants be required for example for address reasons as well as later for the processing of survey results, relevant participant data can be imported and used.

Please observe the following legal references when using non-anonymous surveys.

3.12.1. Legal References in Non-anonymous Surveys

Please note, that when conducting non-anonymous surveys, you are processing the personal data of the participants. The processing of personal data is subject to special stipulations of the data protection act, as well as possible regulations of other laws (i.e. campus or labor legislation).

As a rule, elements of these regulations state, that when surveying by means of questionnaires (forms), survey participants are informed of the data processing, in particular:

- of the intended purpose of the data processing,
- of whether the details are voluntary or an obligation exists, together with the consequences of a refusal, as the case may be.
- and of the possible recipients of the data.

The extent of the duty to inform as well as the admissibility of the data process itself depends significantly on the legal requirements under which your particular case is positioned. This assessment depends on a number of factors which cannot be listed here. You can normally get support from your data protection officer, and/or the data protection committee.

EvaSys provides reference texts for anonymous and non-anonymous surveys. You can find these reference texts under System Settings/Text Templates/”E-MAIL: Footnote for anonymous online surveys” or “Footnote for non-anonymous online surveys”. These text templates are used automatically when sending the PSWDs to interviewee’s.

3.12.2. Conducting Non-anonymous Surveys

Non-anonymous surveys can only be realized by the (subunit) administrator.

Observe the following steps so that survey participant data can be used in EvaSys:

- Firstly, import the participant data.
- Ensure that the questionnaire used contains placeholders for the participant data. Otherwise the questionnaires used later cannot be assigned to participants in EvaSys.
- Create a survey for the relevant course.

3.12.3. Importing Participant Data

You can import the participant data similarly as how you would import the email addresses for courses: in the menu “Subunits“, in the area “Central evaluation“, Option “Data import“:

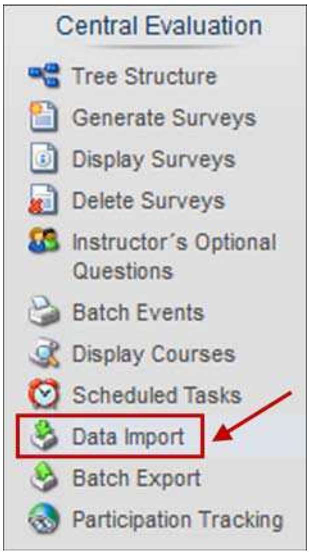
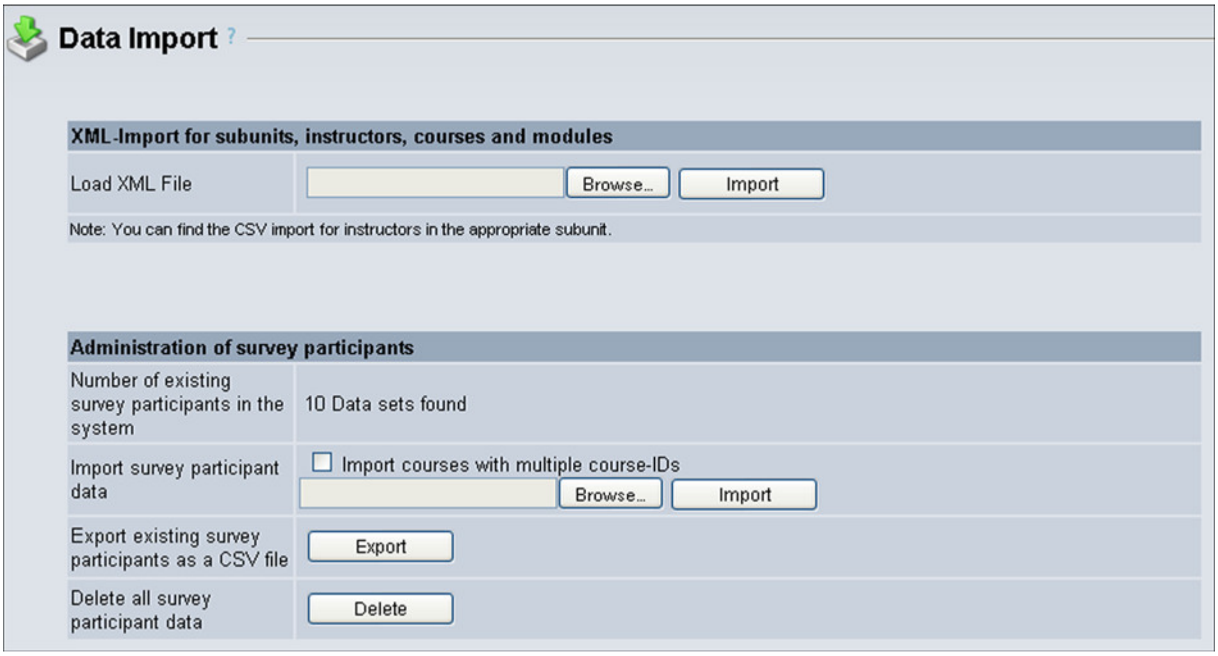

Central Evaluation
Tree Structure
Generate Surveys
Display Surveys
Delete Surveys
Instructor´s Optional Questions
Batch Events
Display Courses
Scheduled Tasks
Data Import
Batch Export
Participation Tracking

Figure 184: Data Import in the Section “Central Evaluation”

Click the option “Data import”. The following window appears:


Data Import
Browse...
Import
Browse...
Import
Export
Delete

XML-Import for subunits, instructors, courses and modules

Load XML File

Note: You can find the CSV import for instructors in the appropriate subunit.

Administration of survey participants

Number of existing survey participants in the system	10 Data sets found
Import survey participant data	☐ Import courses with multiple course-IDs
Export existing survey participants as a CSV file	
Delete all survey participant data	

Figure 185: Data Import via CSV File

Use this window to import the data on survey participants – either just course ID and email in the case of anonymous surveys, or further data like name, address and additional information for non-anonymous surveys.

Prepare the survey participant data as CSV file. You can use either a semicolon or the character that you define in “System Settings/EvaSys Settings/Data Import and Export/Separators CSV import and export” serves as a separator.

Use the following data structure for importing CSV-based survey participant data:

	Course ID	Email address	Surname	Title	First name	Salutation	Address	Custom 1	Custom 2	Custom 3
Participant 1	DEMO12	hardy@example.com	Hardy		Amy	Mrs.				
Participant 2	DEMO12	smith@example.com	Smith	Dr.	Mary	Mr.				
Participant n	DEMO12	Harrison@example.com	Harrison		Paul	Mr.				

Table 11: Data Structure for Importing CSV-based Participant Data

Here, the text file would appear as follows:

DEMO12,hardy@example.com,Hardy,,Amy,Mrs,,,,

DEMO12,smith@example.com,Smith,Dr.,Mary,Mr,,,,

DEMO12,Harrison@example.com,Harrison,,Paul,Mr,,,,

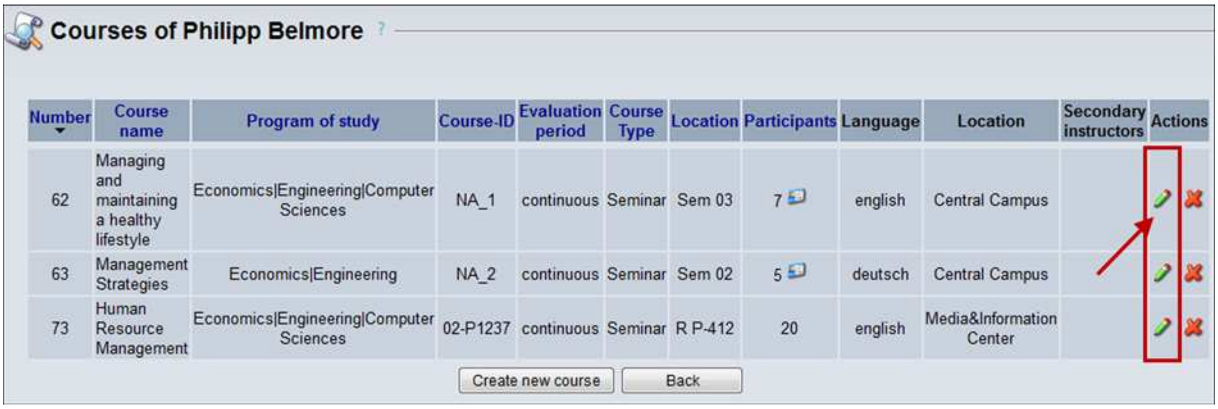
The field Course ID forms the link to the courses existing in EvaSys. One import file may contain participant data for any number of courses. If, on a large scale survey, participant data is to be imported into EvaSys, it makes sense to create and import the CSV import file for survey participant data and CSV/XML files for subunits, user accounts and courses simultaneously.

Note:

As soon as you have imported participant data for a course using this method, EvaSys assumes that the course is processed through non-anonymous surveys!

When importing participant data, the number of participants noted in the details of a course will be ignored, and the number of imported participants automatically saved.

There is also the possibility for you to import participant data in the details of a course. To do this, click on the green pencil in the course list:

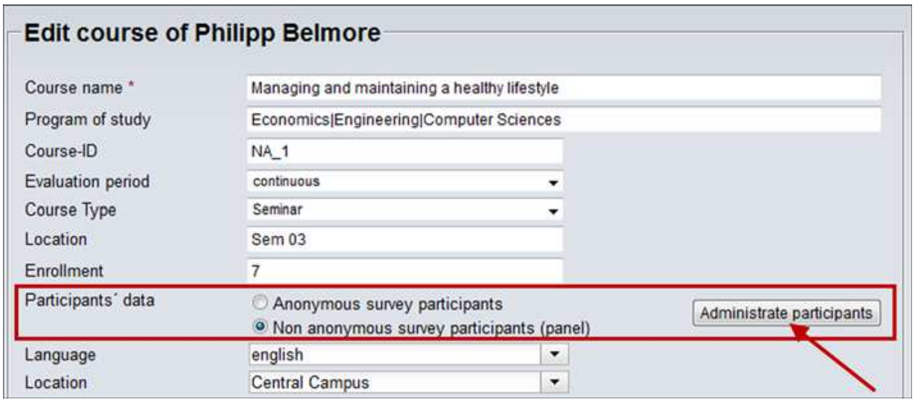


Courses of Philipp Belmore

Number	Course name	Program of study	Course-ID	Evaluation period	Course Type	Location	Participants	Language	Location	Secondary instructors	Actions
62	Managing and maintaining a healthy lifestyle	Economics|Engineering|Computer Sciences	NA_1	continuous	Seminar	Sem 03	7	english	Central Campus		
63	Management Strategies	Economics|Engineering	NA_2	continuous	Seminar	Sem 02	5	deutsch	Central Campus		
73	Human Resource Management	Economics|Engineering|Computer Sciences	02-P1237	continuous	Seminar	R P-412	20	english	Media&Information Center		

Figure 186: Course List with the Edit Button (column “Action”)

A window with the properties of the course opens automatically. Here you can define, also afterwards, whether this course should be conducted anonymously or non-anonymously. To do this, click in the area “Participants’ data” either on “Anonymous survey participants” for anonymous surveys or “Non-anonymous survey participant (panel)” for non-anonymous surveys.

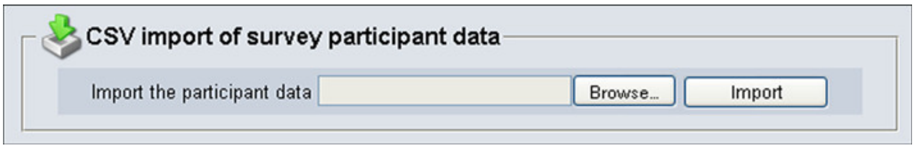


Edit course of Philipp Belmore

Course name * Managing and maintaining a healthy lifestyle
Program of study Economics|Engineering|Computer Sciences
Course-ID NA_1
Evaluation period continuous
Course Type Seminar
Location Sem 03
Enrollment 7
Participants´ data ○ Anonymous survey participants
● Non anonymous survey participants (panel)
Language english
Location Central Campus

Figure 187: Administrate Anonymous/Non-anonymous Participants

After you have activated the option “Non-anonymous survey participant (panel)”, click on the button [Edit data of participants]. In the following window, you have the now familiar option of importing the data of your participants via CSV.



CSV import of survey participant data

Import the participant data

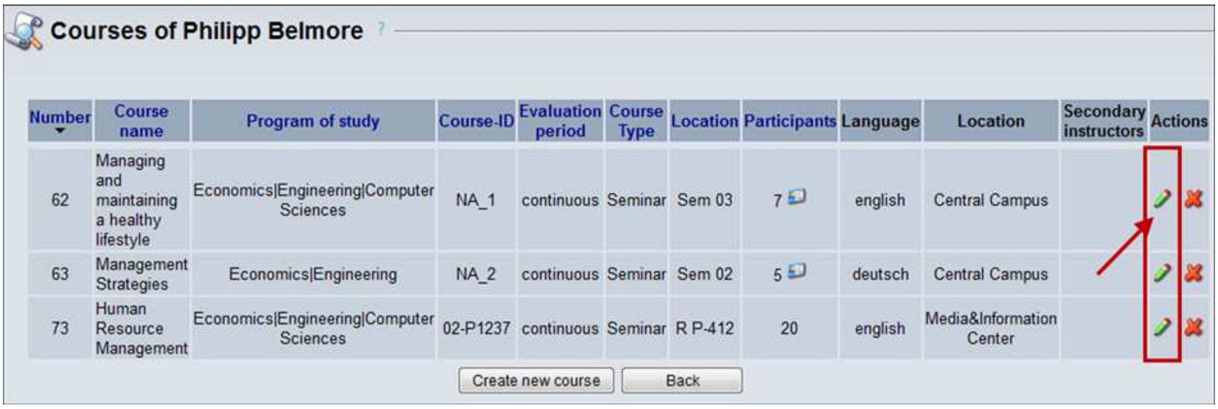
Figure 188: CSV Import of Participant Data

The newly imported participants are added to the already existent participants of the course.

Note:
If in your course you have a participant by the name of Andrew Miller with the email address evasys@example.com and you import, via CSV, the participant Patsy Newman who also has the email address evasys@example.com, EvaSys will refresh the existing participant, and so overwrite the data of Andrew Miller with the data of Patsy Newman. This means, that the email address of your participants has to be unmistakably assigned to them.

3.12.4. Editing Participant Data

You have the possibility of editing the imported participant data in the properties of the corresponding course. To do this, click on the green pencil in the course list of an instructor.

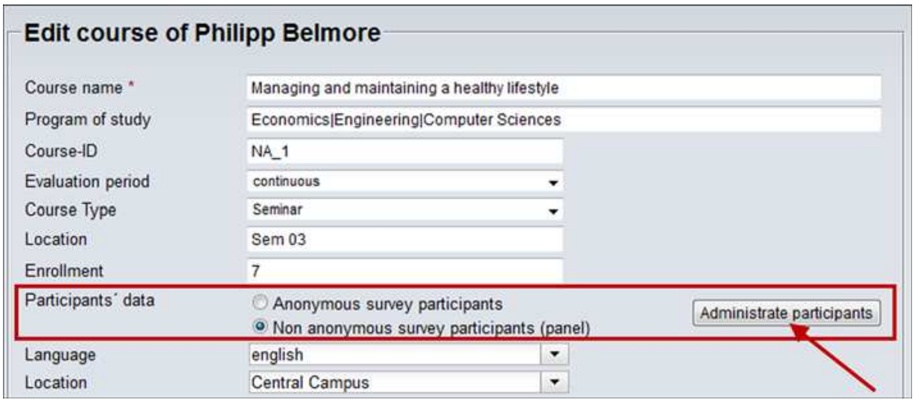


Courses of Philipp Belmore

Number	Course name	Program of study	Course-ID	Evaluation period	Course Type	Location	Participants	Language	Location	Secondary instructors	Actions
62	Managing and maintaining a healthy lifestyle	Economics|Engineering|Computer Sciences	NA_1	continuous	Seminar	Sem 03	7	english	Central Campus		✎ ✖
63	Management Strategies	Economics|Engineering	NA_2	continuous	Seminar	Sem 02	5	deutsch	Central Campus		✎ ✖
73	Human Resource Management	Economics|Engineering|Computer Sciences	02-P1237	continuous	Seminar	R P-412	20	english	Media&Information Center		✎ ✖

Figure 189: Course List with the Edit Button (column “Action”)

A window opens automatically, displaying the properties of the course.



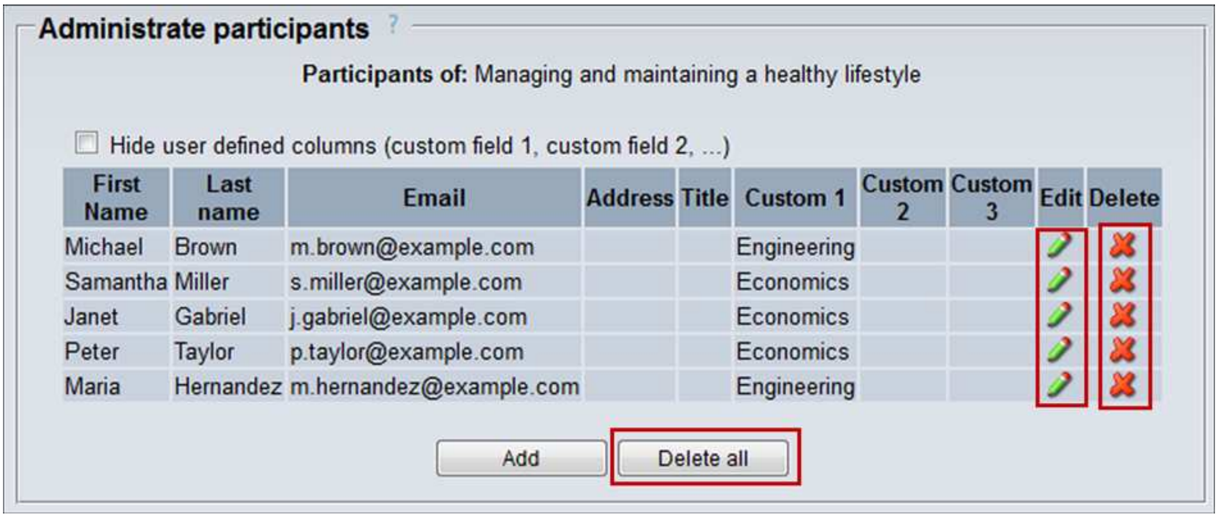
Edit course of Philipp Belmore

Course name *: Managing and maintaining a healthy lifestyle
Program of study: Economics|Engineering|Computer Sciences
Course-ID: NA_1
Evaluation period: continuous
Course Type: Seminar
Location: Sem 03
Enrollment: 7
Participants´ data: ○ Anonymous survey participants ● Non anonymous survey participants (panel)
Language: english
Location: Central Campus

Figure 190: Administrate Anonymous/Non-anonymous Participants

If you wish to edit the imported participant data, click on the button [Edit data of participants]. In the following window you can edit (green pencil) and delete (red cross) each existing participant. You can also delete all participants by clicking on the [Delete all] button.

Note:
If you delete a participant who was assigned solely to this course, all of his data will be deleted from the system. As a result, this participant is no longer existent in EvaSys. Should he however also be assigned to another course, his data will remain existent for that course.



Administrate participants

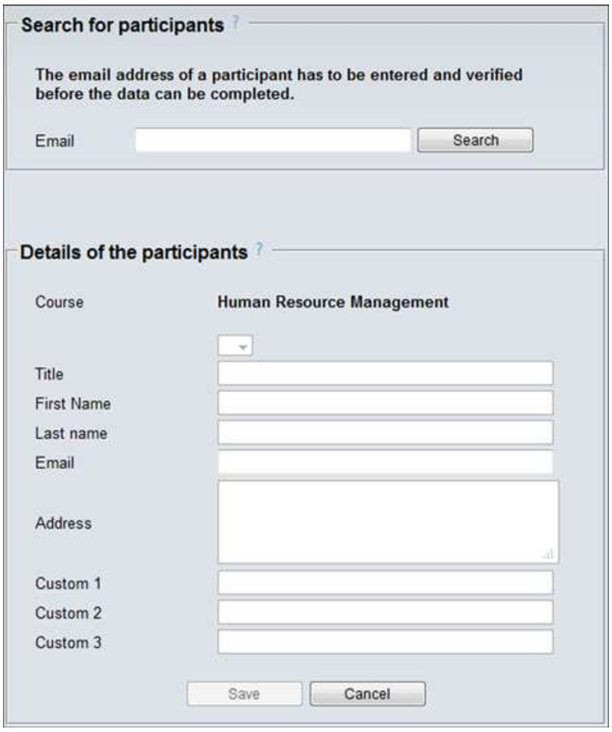
Participants of: Managing and maintaining a healthy lifestyle

☐ Hide user defined columns (custom field 1, custom field 2, ...)

First Name	Last name	Email	Address	Title	Custom 1	Custom 2	Custom 3	Edit	Delete
Michael	Brown	m.brown@example.com			Engineering			✏	✖
Samantha	Miller	s.miller@example.com			Economics			✏	✖
Janet	Gabriel	j.gabriel@example.com			Economics			✏	✖
Peter	Taylor	p.taylor@example.com			Economics			✏	✖
Maria	Hernandez	m.hernandez@example.com			Engineering			✏	✖

Figure 191: List of the Non-anonymous Participants

Additionally, you can add further participants. To do this, click on the button [Add]. The following window will open:



Search for participants

The email address of a participant has to be entered and verified before the data can be completed.

Details of the participants

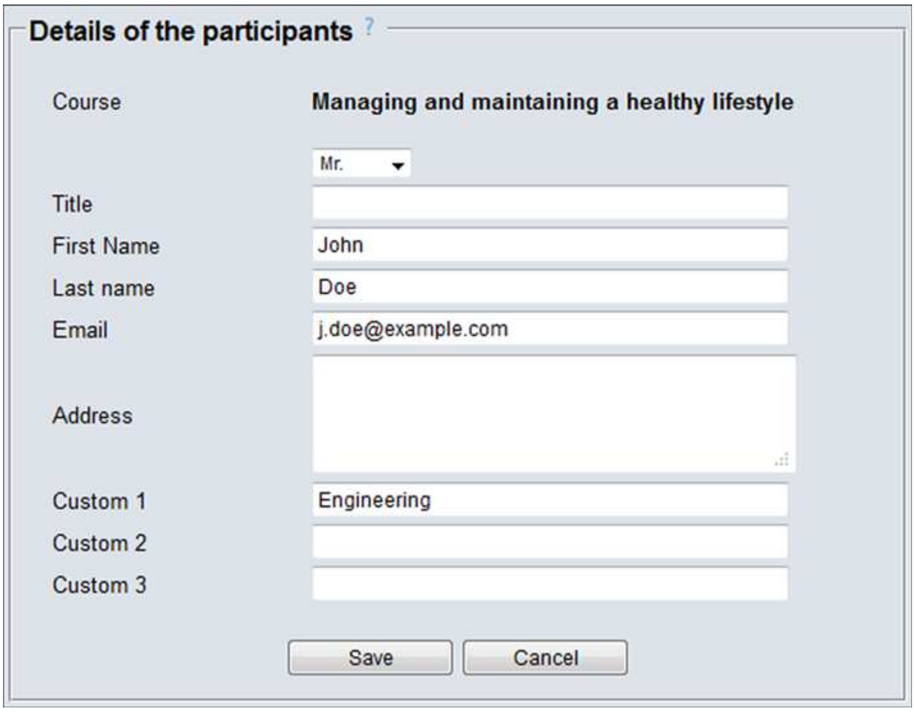
Course: Human Resource Management

Figure 192: Add Non-anonymous Participants

To add a new participant, you must first enter the email address of the participant in the area [Search for Participants]. Then click on [Search]. EvaSys searches all existent participant data for this email address.

If the participant is already in the system, for example for another non-anonymous course, EvaSys adopts all existing data in the area “Details of the participants”. With exception of the email address, you can change these details as and when required.

If the given email address is not yet in the system, EvaSys adopts this email address in the area “Details of the participants”, and you can add all other information such as name, address etc. You can add further information on the participant such as course of study, type of degree etc. using the three custom fields. You can later on use these criteria to filter the CSV raw data.

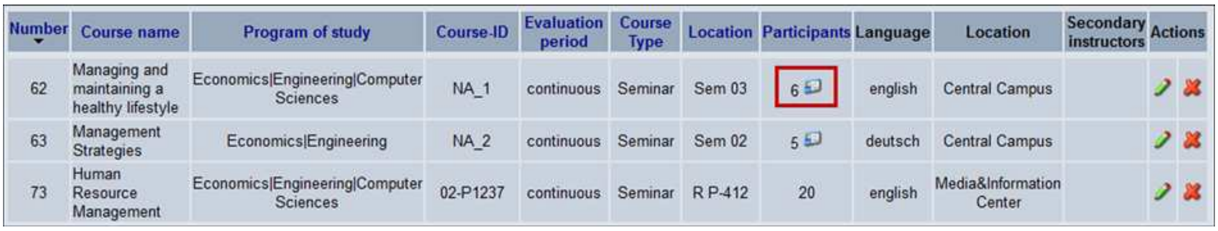


Course	**Managing and maintaining a healthy lifestyle**
	Mr.
Title	
First Name	John
Last name	Doe
Email	j.doe@example.com
Address	
Custom 1	Engineering
Custom 2	
Custom 3	

Figure 193: Details of a Non-anonymous Participant

Close the window by clicking on [Save]. The participant has now been created.

Click on the button [Back] at the bottom of the page to return to the course details. Close the window of the course details by clicking on the button [OK]. This course is now saved as non-anonymous. In the list of the course, in the column Participants, it is marked as non-anonymous by the index card symbol:

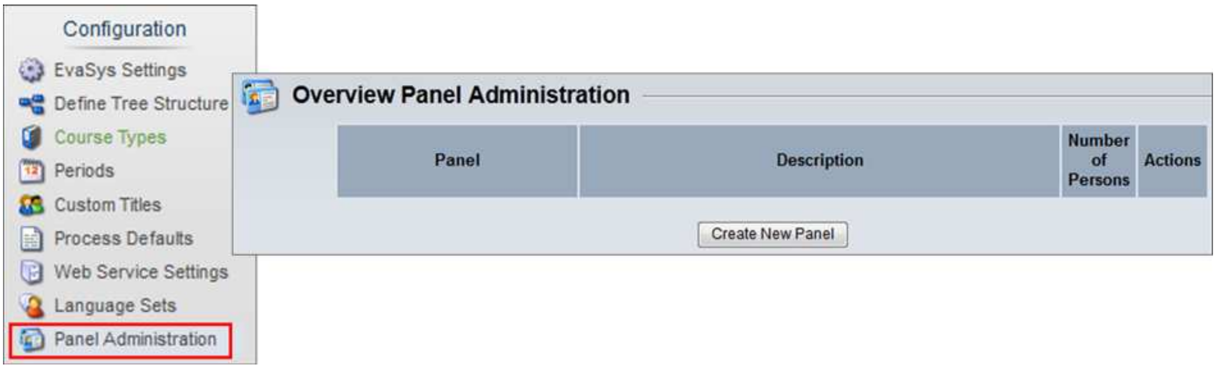


Number	Course name	Program of study	Course-ID	Evaluation period	Course Type	Location	Participants	Language	Location	Secondary instructors	Actions
62	Managing and maintaining a healthy lifestyle	Economics|Engineering|Computer Sciences	NA_1	continuous	Seminar	Sem 03	6 🗂	english	Central Campus		✎ ✖
63	Management Strategies	Economics|Engineering	NA_2	continuous	Seminar	Sem 02	5 🗂	deutsch	Central Campus		✎ ✖
73	Human Resource Management	Economics|Engineering|Computer Sciences	02-P1237	continuous	Seminar	R P-412	20	english	Media&Information Center		✎ ✖

Figure 194: Anonymous and Non-anonymous Courses

3.12.5. Import of Participant Data from Panels

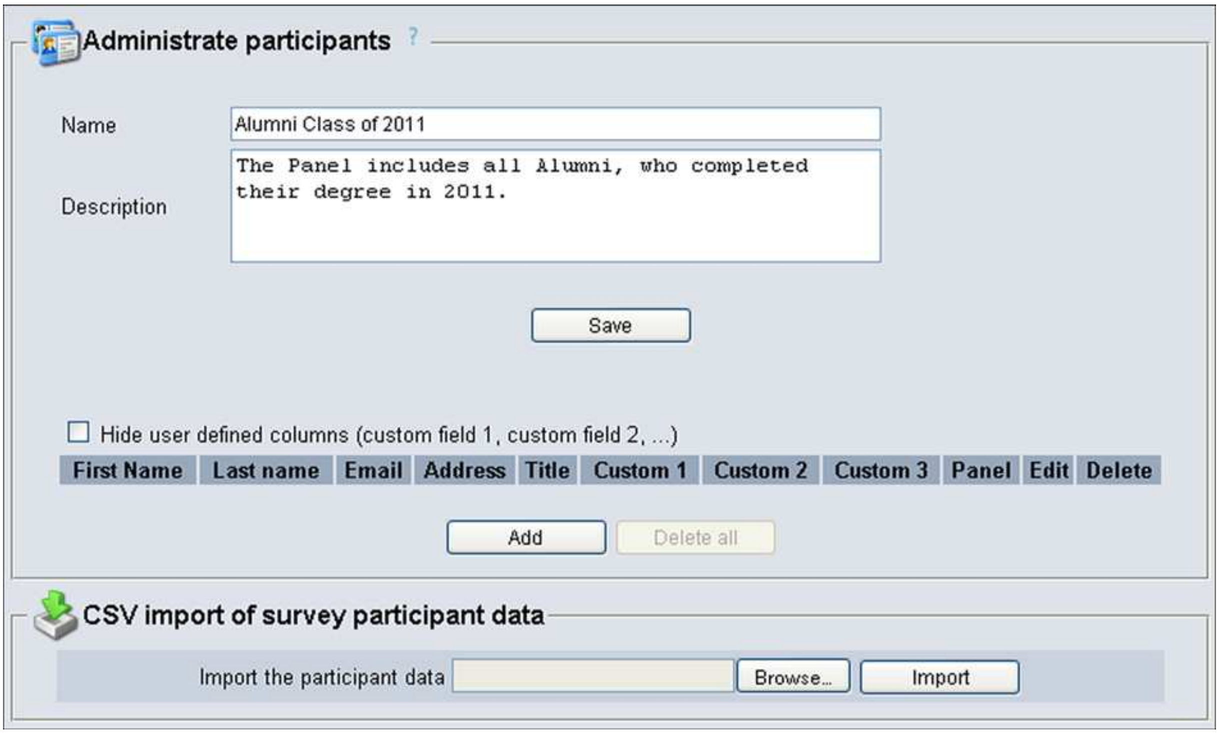
For the recurring surveying of fixed participant groups, it is possible to create so-called panels, consisting of fixed groups of survey participants, and to import the relevant participant data via CSV import. The non-anonymous courses can then be assigned to the occupants of these panels, i.e. there is no longer the need to import a new list for each course, but the participants are simply taken from the relevant panel. Panels must be established in the system beforehand and their data imported. To do this, open the menu “System Settings/Panel Administration” and click on the button [Create New Panel].


Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Custom Titles
Process Defaults
Web Service Settings
Language Sets
Panel Administration
Overview Panel Administration
Create New Panel

Panel	Description	Number of Persons	Actions

Figure 195: Panel Administration

Now enter the name of the panel as well as a descriptive text and click on [Save]. The panel is created and can be filled with participant data.


Administrate participants
?
Save
Add
Delete all
CSV import of survey participant data
Browse...
Import

Name: Alumni Class of 2011

Description: The Panel includes all Alumni, who completed their degree in 2011.

☐ Hide user defined columns (custom field 1, custom field 2, ...)

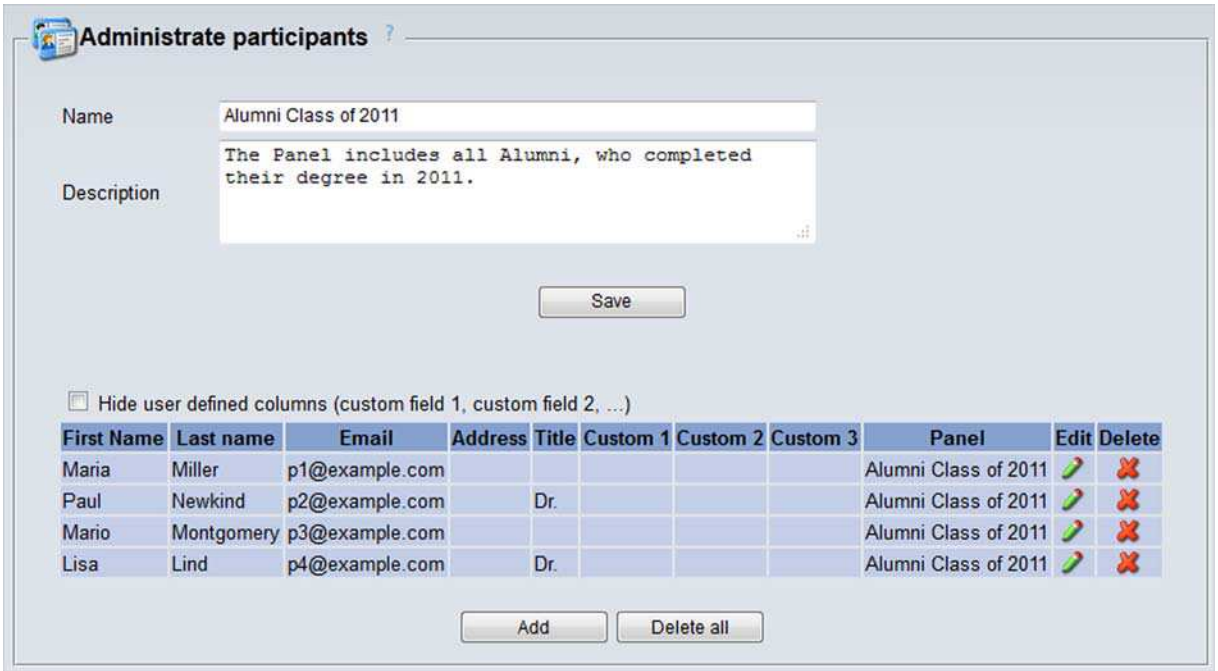
First Name	Last name	Email	Address	Title	Custom 1	Custom 2	Custom 3	Panel	Edit	Delete

Import the participant data

Figure 196: Panel Administration: Create a Panel

The participants for the panel can either be entered manually or imported with the help of a CSV file. For the syntax of the CSV file, the same rules as described above in chapter B 3.12.3 “Import of Participant Data”, apply.

After importing the data, the participants are displayed in the participant list. Where necessary, individual participants can be edited with the pencil icon or deleted with the X.



Name: Alumni Class of 2011

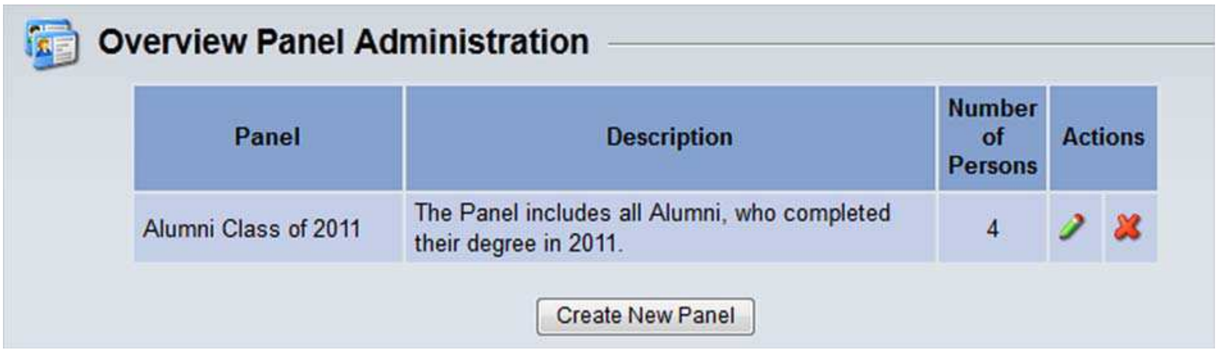
Description: The Panel includes all Alumni, who completed their degree in 2011.

☐ Hide user defined columns (custom field 1, custom field 2, ...)

First Name	Last name	Email	Address	Title	Custom 1	Custom 2	Custom 3	Panel	Edit	Delete
Maria	Miller	p1@example.com						Alumni Class of 2011	✎	✗
Paul	Newkind	p2@example.com		Dr.				Alumni Class of 2011	✎	✗
Mario	Montgomery	p3@example.com						Alumni Class of 2011	✎	✗
Lisa	Lind	p4@example.com		Dr.				Alumni Class of 2011	✎	✗

Figure 197: Panel Administration: Participant List

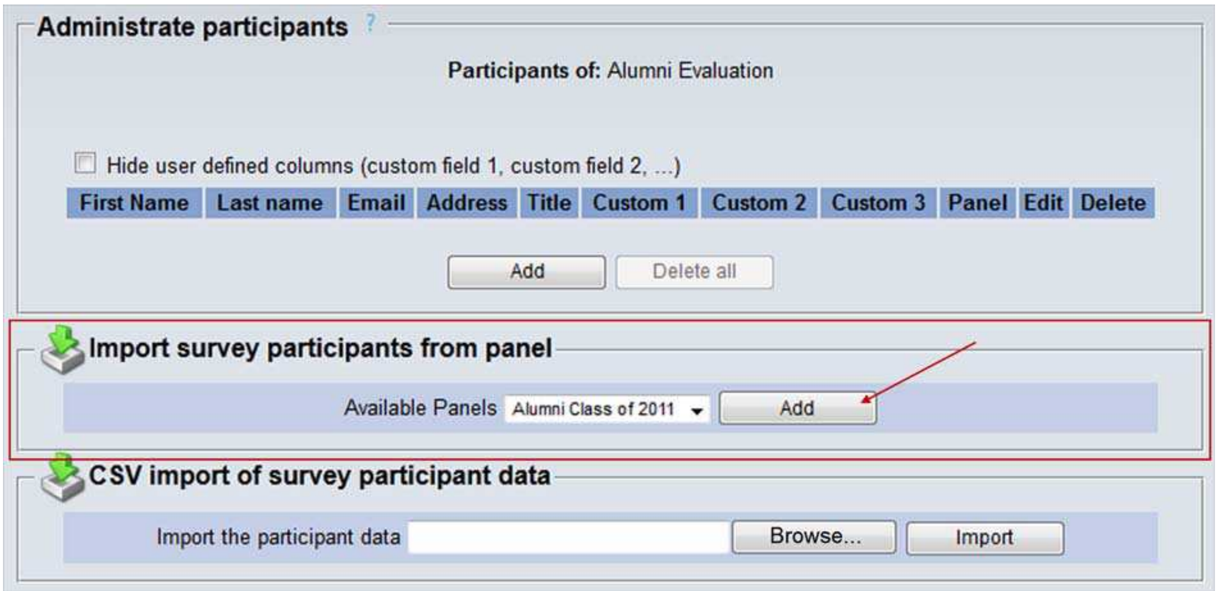
Any number of panels can be created in the system. They are displayed in the panel administration with their name and a descriptive text and can, where necessary, be edited or deleted.



Panel	Description	Number of Persons	Actions	
Alumni Class of 2011	The Panel includes all Alumni, who completed their degree in 2011.	4	✎	✗

Figure 198: Panel Administration: Overview of the Panels

For the courses, participant data can now be directly adopted from the panel without having to import them again. To do this, open the details of the course and go into the participant administration. Here you have the option in “Import survey participants from panel” to select the required panel and click on [Add] to assign it to the course.


Administrate participants
First Name
Last name
Email
Address
Title
Custom 1
Custom 2
Custom 3
Panel
Edit
Delete
Add
Delete all
Import survey participants from panel
Add
CSV import of survey participant data
Import the participant data
Browse...
Import

Participants of: Alumni Evaluation

☐ Hide user defined columns (custom field 1, custom field 2, ...)

Available Panels: Alumni Class of 2011

Figure 199: Adopt Survey Participants from Panel

3.12.6. Customizing the Questionnaire for a Non-anonymous Survey

With non-anonymous surveys the questionnaires are assigned to specific participants. So that these allocations can be adhered to during distribution of the questionnaires, you have to insert the relevant information of the survey participants in the header of the questionnaire. This is achieved by placeholders (recognized by the continuous upper case and the angular brackets).

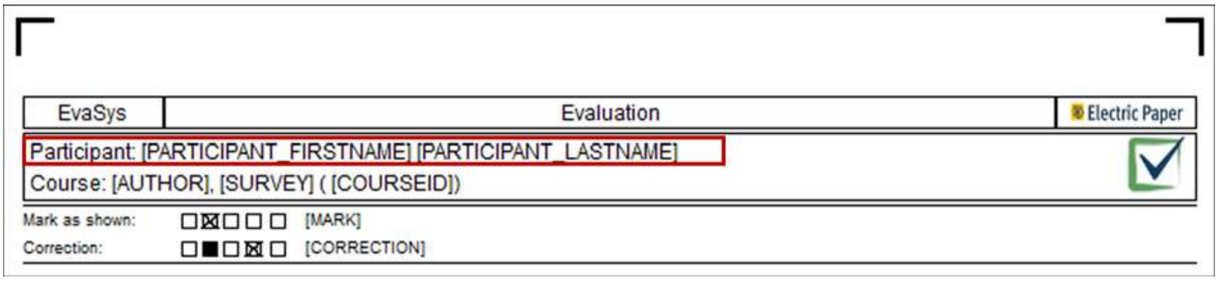
The VividForms Editor/Designer allows you to use placeholders for participant data in the header of the questionnaire. The placeholder names refer to the data structure introduced above, as follows:

VividForms Editor and text templates	CSV import file	Description
[PARTICIPANT_EMAIL]	Email address	Email address of survey participant
[PARTICIPANT_LASTNAME]	Surname	Surname of of survey participant
[PARTICIPANT_TITLE]	Title	Title of survey participant
[PARTICIPANT_FIRSTNAME]	First name	First name of survey participant
[PARTICIPANT_SALUTATION]	Salutation	Salutation of survey participant
[PARTICIPANT_ADDRESS]	Address	Address of survey participant
[PARTICIPANT_CUSTOM1]	Blank1	First user-defined field of resp. survey participant
[PARTICIPANT_CUSTOM2]	Blank2	Second user-defined field of resp. survey participant
[PARTICIPANT_CUSTOM3]	Blank3	Third user-defined field of resp. survey participant

Table 12: VividForms Placeholders

Click one of the placeholder fields in the questionnaire's header in order to select the placeholders which you wish to insert.

The following figure shows an example questionnaire header. In the left-hand side the text “Participant:” has been inserted as well as variables for the first name and surname.



EvaSys	Evaluation	Electric Paper

Participant: [PARTICIPANT_FIRSTNAME] [PARTICIPANT_LASTNAME]
Course: [AUTHOR], [SURVEY] ([COURSEID])

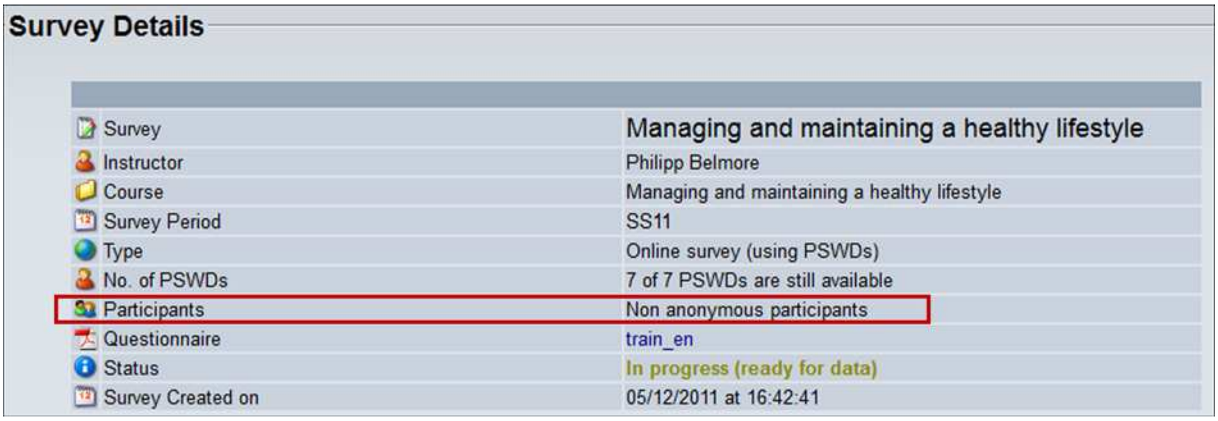
Mark as shown: ☐☒☐☐☐ [MARK]
Correction: ☐■☐☒☐ [CORRECTION]

Figure 200: Customization of a Questionnaire (Here through the Name in the Header)

In the case of a survey, data of specific participants is inserted here, so that during implementation it is clearly visible which questionnaire was distributed to whom.

3.12.7. General Direction for the Realization of a Non-anonymous Survey

If you create a survey for a non-anonymous course (here: “Managing and maintaining a healthy lifestyle”), it will be indicated as such in the survey details, that this survey is taking place with non-anonymous participants.

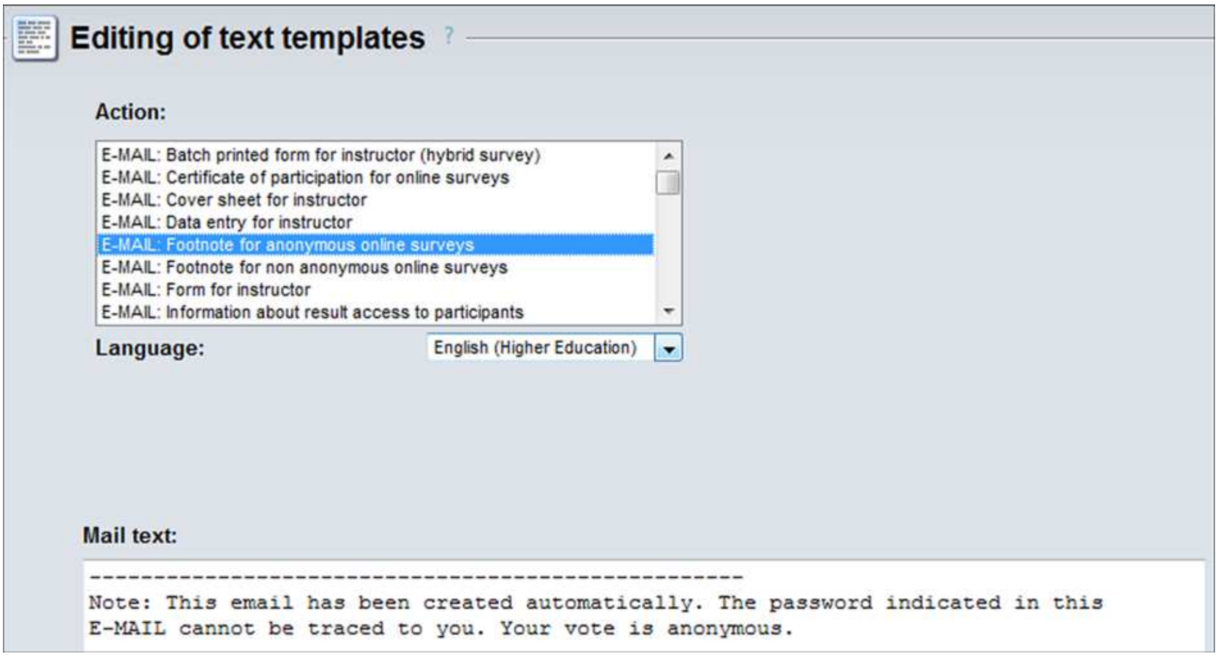


Survey Details

Survey	Managing and maintaining a healthy lifestyle
Instructor	Philipp Belmore
Course	Managing and maintaining a healthy lifestyle
Survey Period	SS11
Type	Online survey (using PSWDs)
No. of PSWDs	7 of 7 PSWDs are still available
Participants	Non anonymous participants
Questionnaire	train_en
Status	In progress (ready for data)
Survey Created on	05/12/2011 at 16:42:41

Figure 201: Reference of Non-anonymous Participants

With non-anonymous online surveys you also have the possibility of indicating the status of anonymity in the footnote of the email. For this, you can use existing standard texts from “System Settings/Text Templates”.


Editing of text templates
?

Action:

E-MAIL: Batch printed form for instructor (hybrid survey)
E-MAIL: Certificate of participation for online surveys
E-MAIL: Cover sheet for instructor
E-MAIL: Data entry for instructor
E-MAIL: Footnote for anonymous online surveys
E-MAIL: Footnote for non anonymous online surveys
E-MAIL: Form for instructor
E-MAIL: Information about result access to participants

Language: English (Higher Education)

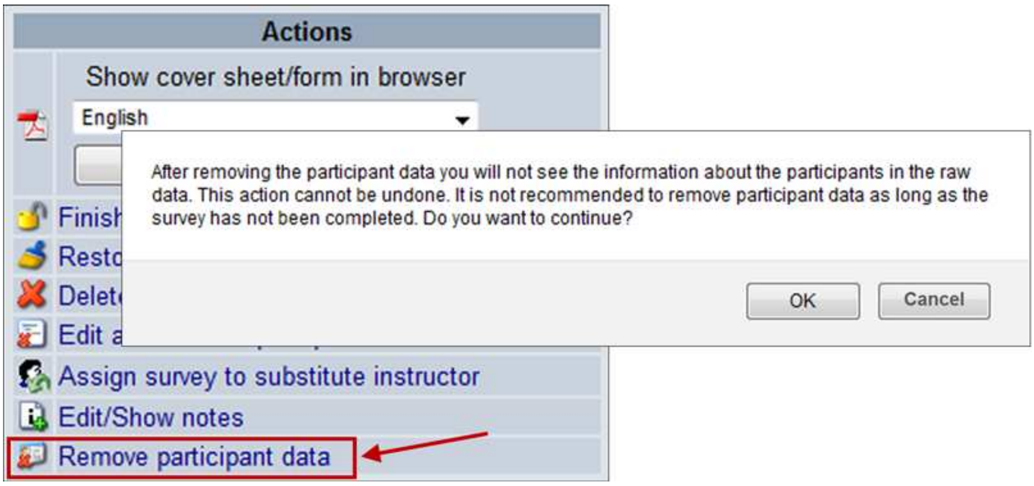
Mail text:

```
--------------------------------------------------
Note: This email has been created automatically. The password indicated in this
E-MAIL cannot be traced to you. Your vote is anonymous.
```

Figure 202: Reference for Anonymous or Non-anonymous Online Surveys (Text Templates)

In addition to this, you can always render a non-anonymous survey anonymous, by removing the participants' data from the survey details. You must confirm this action by clicking on [OK]. In doing so, all information on the participants in the raw data exports for SPSS and Sphinx, as well as in the CSV-export, are deleted.

After clicking on [OK], a message window indicates the removal of the information to you. At this point, you still have the option of aborting the process:


Actions
Show cover sheet/form in browser
English
Finish
Resto
Delet
Edit a
Assign survey to substitute instructor
Edit/Show notes
Remove participant data
OK
Cancel

After removing the participant data you will not see the information about the participants in the raw data. This action cannot be undone. It is not recommended to remove participant data as long as the survey has not been completed. Do you want to continue?

Figure 203: Subsequent Anonymization of a Non-anonymous Survey

Note:

This retroactive anonymization cannot be undone! If you remove the participant data from the survey, they are irrecoverably lost for this survey!

3.12.8. Implementing a Non-anonymous paperbased Survey

When you create a survey with a customized questionnaire for a course for which participant data was imported, EvaSys assumes that it is a non-anonymous survey. Therefore, for paper surveys, each questionnaire has to be personalized (for example the participant's name has to appear in header). This is why the cover sheet procedure is not suitable for non-anonymous surveys.

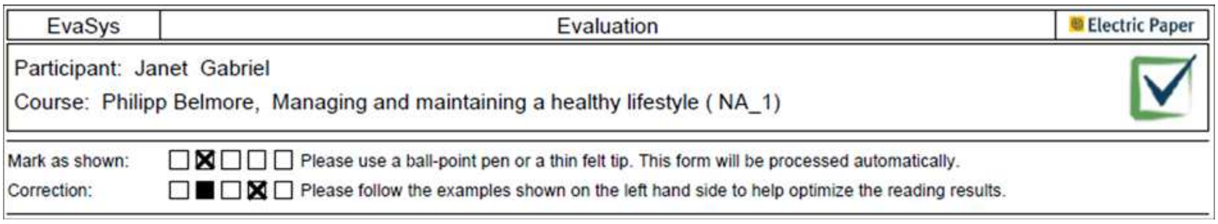
However, you can also use the function "Print Cover sheets/Forms" in batch procedures so as to produce personalized PDF questionnaires for all survey participants. To do this, select in the configuration of the batch procedures the option "Create complete sets of questionnaires according to enrollment figures".

After a click on "Download" the respective PDF file is produced and displayed. Please note that the number of generated questionnaires is determined by the number of occupancies defined in the courses, and not by the number of imported participant data for the respective course.

Example:

In the following, you will find two examples for personalized questionnaires. The text below with placeholders was inserted into the header:

Example 1: The Personalized Questionnaire for Janet Gabriel



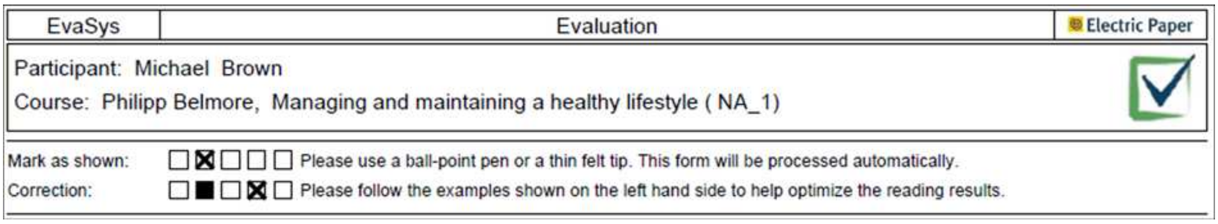
EvaSys	Evaluation	Electric Paper

Participant: Janet Gabriel
Course: Philipp Belmore, Managing and maintaining a healthy lifestyle (NA_1)

Mark as shown: ☐ ☒ ☐ ☐ ☐ Please use a ball-point pen or a thin felt tip. This form will be processed automatically.
Correction: ☐ ■ ☐ ☒ ☐ Please follow the examples shown on the left hand side to help optimize the reading results.

Figure 204: Questionnaire for Janet Gabriel (example)

Example 2: The Personalized Questionnaire for Michael Brown



EvaSys	Evaluation	Electric Paper

Participant: Michael Brown
Course: Philipp Belmore, Managing and maintaining a healthy lifestyle (NA_1)

Mark as shown: ☐ ☒ ☐ ☐ ☐ Please use a ball-point pen or a thin felt tip. This form will be processed automatically.
Correction: ☐ ■ ☐ ☒ ☐ Please follow the examples shown on the left hand side to help optimize the reading results.

Figure 205: Questionnaire for Michael Brown (example)

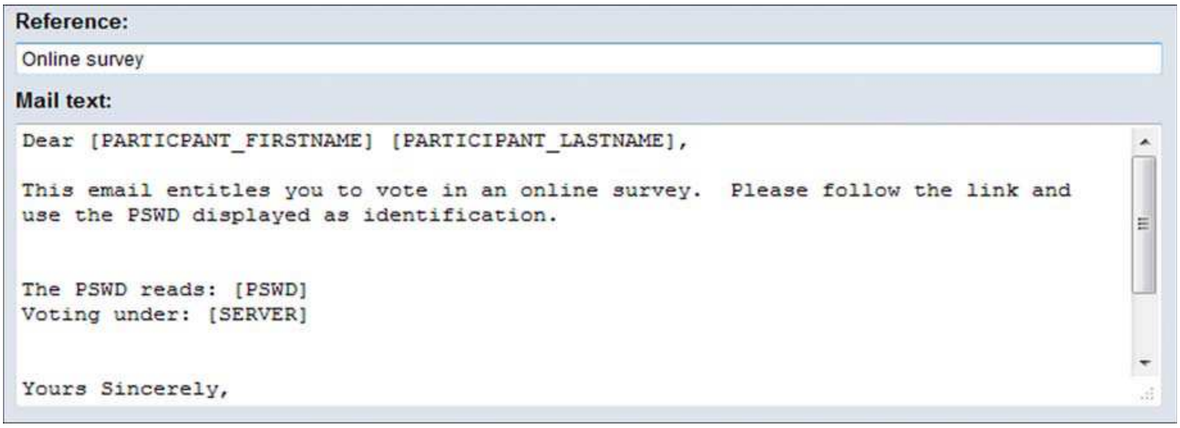
Now the survey can be implemented, whereby attention has to be paid to the fact that the person specified on the questionnaire is actually the person who fills it in. The subsequently generated PDF report of the survey does not contain any information on the survey participants. If these are to be processed, this can be effected through the batch export in which you find information in the following two paragraphs (paragraph on non-anonymous surveys).

3.12.9. Implementing a Non-anonymous Online Survey

For online surveys it is possible to use information taken from the survey participant data for the personalization of the emails that are generated for the dispatch of participation codes. The placeholders shown in the previous paragraph can also be used for the text templates. It is advisable to use customized text templates for individual questionnaires and not to modify the standard template for the PSWD dispatch.

Example:

In this example, the recipients of the PSWD emails are addressed personally by using the placeholders for first names and surnames of the survey participants:



Reference:

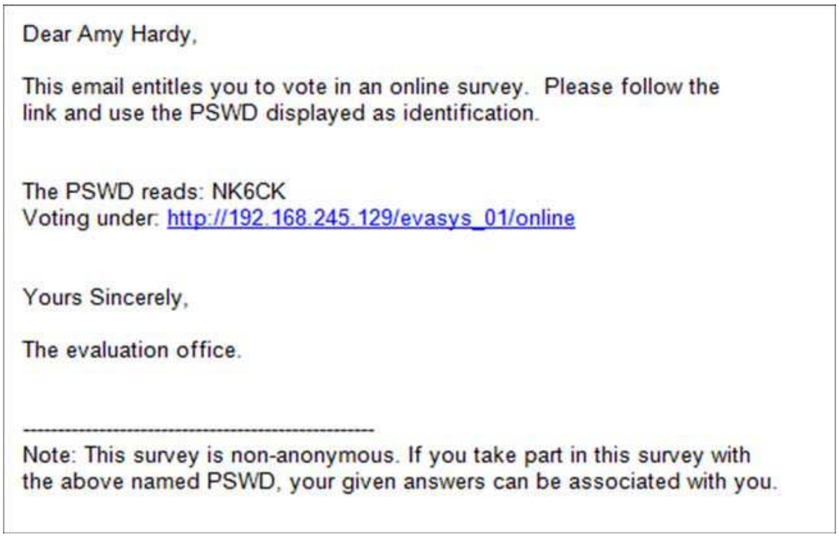
Online survey

Mail text:

```
Dear [PARTICPANT_FIRSTNAME] [PARTICIPANT_LASTNAME],

This email entitles you to vote in an online survey.  Please follow the link and
use the PSWD displayed as identification.


The PSWD reads: [PSWD]
Voting under: [SERVER]


Yours Sincerely,
```

Figure 206: Personalized Questionnaire-specific Email Text

The resulting email text in its personalized form looks like this:



Dear Amy Hardy,

This email entitles you to vote in an online survey. Please follow the link and use the PSWD displayed as identification.

The PSWD reads: NK6CK
Voting under: http://192.168.245.129/evasys_01/online

Yours Sincerely,

The evaluation office.

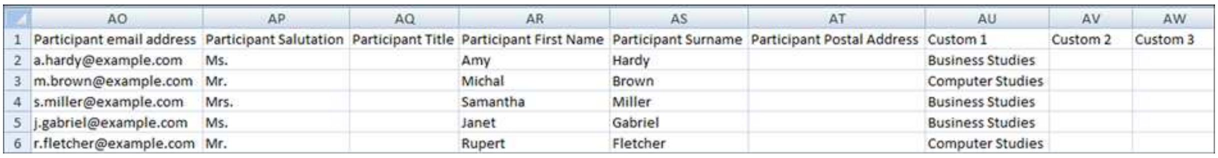
Note: This survey is non-anonymous. If you take part in this survey with the above named PSWD, your given answers can be associated with you.

Figure 207: Email for Amy Hardy (example)

As an alternative you can also use the placeholder [PARTICIPANT_SALUTATION2] to address the participants. With this placeholder, the complete address including a salutation (“Dear Mrs.”/“Dear Mr.”) will be generated.

3.12.10. Processing Survey Participant Data

The batch export function is available to create statistical reports on survey participants. The data fields for the survey participants are added on the right-hand margin to the raw data table relating to the respective surveys:



	AO	AP	AQ	AR	AS	AT	AU	AV	AW
1	Participant email address	Participant Salutation	Participant Title	Participant First Name	Participant Surname	Participant Postal Address	Custom 1	Custom 2	Custom 3
2	a.hardy@example.com	Ms.		Amy	Hardy		Business Studies		
3	m.brown@example.com	Mr.		Michal	Brown		Computer Studies		
4	s.miller@example.com	Mrs.		Samantha	Miller		Business Studies		
5	j.gabriel@example.com	Ms.		Janet	Gabriel		Business Studies		
6	r.fletcher@example.com	Mr.		Rupert	Fletcher		Computer Studies		

Figure 208: CSV Files of a Non-anonymous Survey

Note:
So that all participant data fields are exported, the option “System Settings/EvaSys Settings/Data Import and Export/Raw data export contains only the ID of non-anonymous participants” has to be deactivated. Otherwise, only the email address of the participants as the sole identification feature will be exported.

3.12.11. Use the Participant Data for Participation Certificates

All above mentioned placeholders ([PARTICIPANT_LASTNAME], [PARTICIPANT_FIRSTNAME] etc.) can also be used for the participant certificates for online surveys.

3.13. Active Instructor Accounts

Instructors can also implement surveys, if they are granted authorization. The difference compared to central evaluation is that active instructors’ surveys are linked neither to particular courses nor to survey periods.

The following provides you (as the administrator or subunit administrator) with a short overview of the options available to an active instructor. As an introduction for active instructors a brief manual is available in PDF format, called “Active User Manual”.

3.13.1. Creating Active Instructors as (Subunit) Administrators

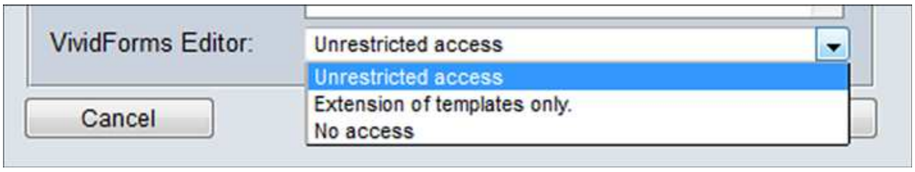
To grant an instructor authorization to implement his own surveys, you as the (subunit) administrator have to ensure three things:

- The instructor (with sensible log-in data) must exist in the structure which you as the administrator have created.

  By creating instructors, you decide on the rights which an active instructor is granted. Of course, you can change these rights again at any time:

  - Is an active instructor authorized to create new questionnaires, edit the administrator’s templates or can he only use central templates with which to create his surveys?

For this purpose, you set the respective rights in the mask for Creation/Modify user data, option “VividForms Editor”. You have the options of: Unrestricted access/ Extension of templates only/No access:



VividForms Editor: Unrestricted access

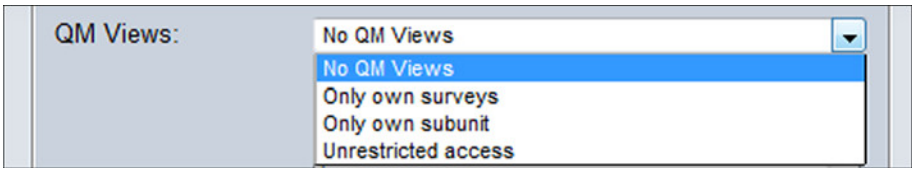
Figure 209: A User’s Access to the VividForms Editor

The names are relevant and describe the above-mentioned rights.

- Is an active instructor upon completion of processing, authorized to view to which degree his surveys meet the quality guidelines – or even those of his subunit (possibly those of additional subunits) or even those of the entire system?

  You also grant these rights in the mask that serves to create and change user data. The following options can be chosen from: No QM views/Only own surveys/Only own subunit/Unrestricted access.

  If you wish to authorize access to one’s own subunit or extend one or more accesses, first select the option “Own subunit only”. Then you can define further subunits by selecting “Additional subunits” in the gray area.



QM Views: No QM Views

Figure 210: A User’s Access to QM Views

Once you have assigned these rights, please remember to create an appropriate log-in name and a password.

- The instructor must be activated. From the user overview you as the (subunit) administrator can see whether an instructor is activated. A icon with a padlock in front of an username means this is a passive user (Jasmine Sadhi), no padlock added to the icon signals an active user (Prof. Sunny Narrow). To switch simply click on the icon.

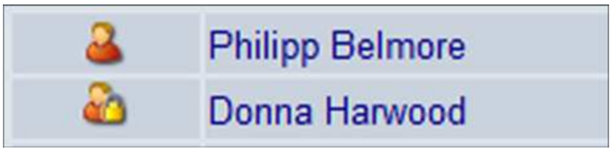
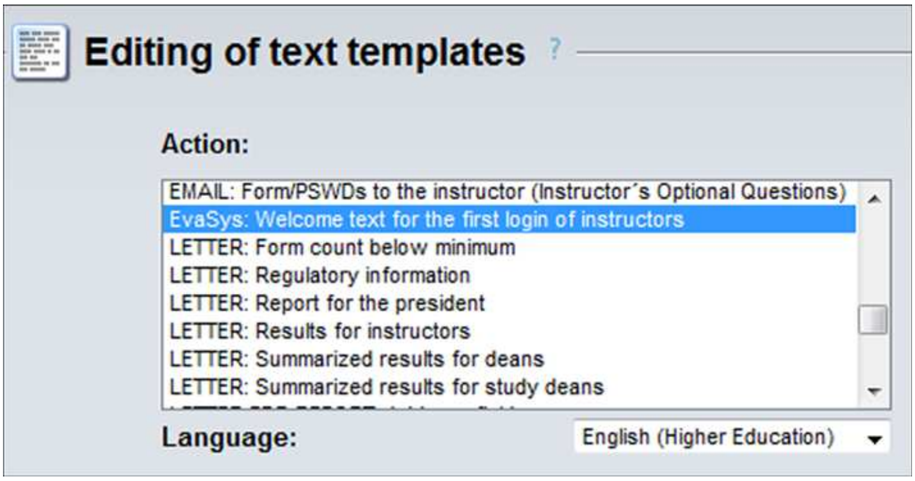


Figure 211: Passive (with Padlock) and Active (without Padlock) Instructors

You can switch the instructor between active and passive at any time, for example denying access after an activated period.

- You have to pass on the access data to the instructor: log-in name, password and the link to the EvaSys homepage. Otherwise he cannot log on even if you have created and activated him.
- You as the administrator need to check that you have adapted the greeting in your system that appears automatically when an active instructor logs on. You will find the text in the main menu “System Settings”, in the submenu on the left-hand side under “Text templates”. It is titled “EvaSys: Welcome text for the first login of instructor“:



Editing of text templates

Action:

EMAIL: Form/PSWDs to the instructor (Instructor´s Optional Questions)
EvaSys: Welcome text for the first login of instructors
LETTER: Form count below minimum
LETTER: Regulatory information
LETTER: Report for the president
LETTER: Results for instructors
LETTER: Summarized results for deans
LETTER: Summarized results for study deans

Language: English (Higher Education)

Figure 212: Editing the Welcome Greeting for Active Instructors

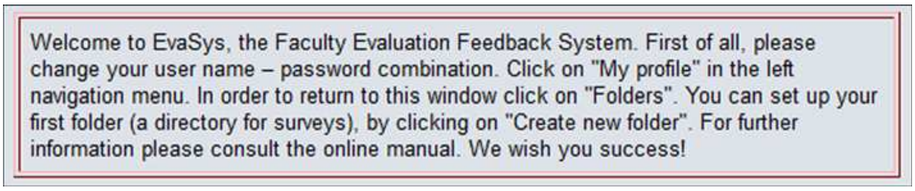
Modify the text as you see fit and then click on [Save].

A subunit administrator has no access to these texts, therefore, he cannot check this setting. Please consult your EvaSys administrator on this.

As soon as you have secured these details the instructor can log on with the details that you have supplied him with.

3.13.2. Login as Active Instructor

In order to log in, the active instructor calls up the EvaSys Log-in window and enters his access data here. Subsequently, a window appears with the greeting text:



Welcome to EvaSys, the Faculty Evaluation Feedback System. First of all, please change your user name – password combination. Click on "My profile" in the left navigation menu. In order to return to this window click on "Folders". You can set up your first folder (a directory for surveys), by clicking on "Create new folder". For further information please consult the online manual. We wish you success!

Figure 213: Greeting Screen for Mrs. Jasmine Sadhi (Detail)

It is important that the instructor changes his access data in the left menu under “Own profile”.

Depending on the rights granted to the active instructor, he can now create new questionnaires, amend existing templates or create surveys only with existing questionnaires. Accordingly, he sees in the left menu either “Questionnaires”/“Create

Questionnaire” and “Templates” or only “Questionnaires” and “Templates”, or none of these options:

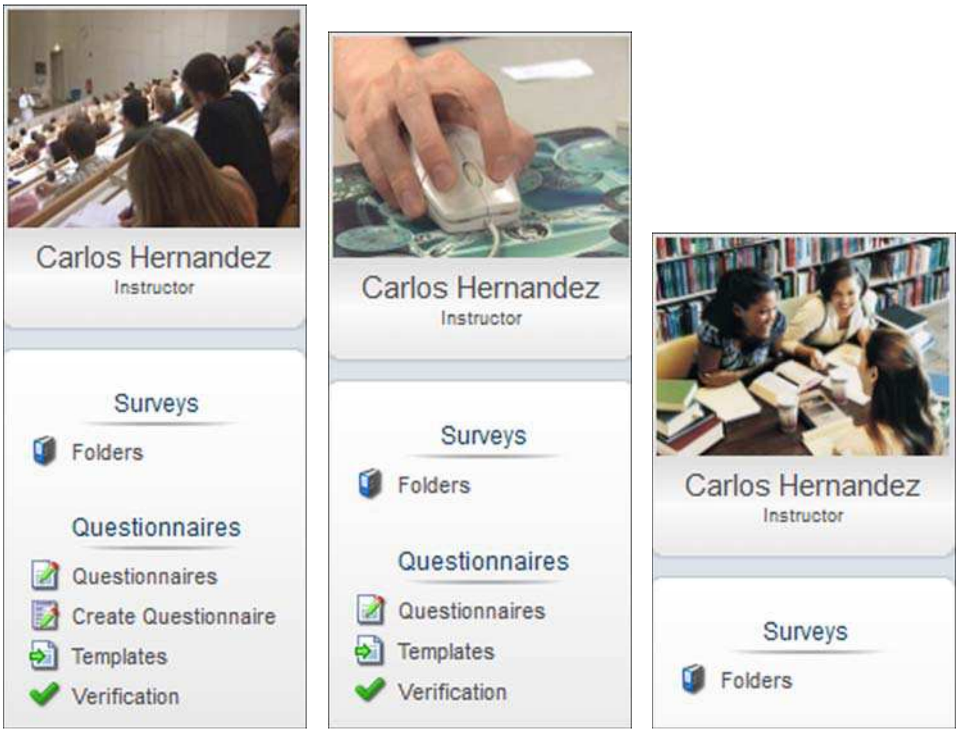
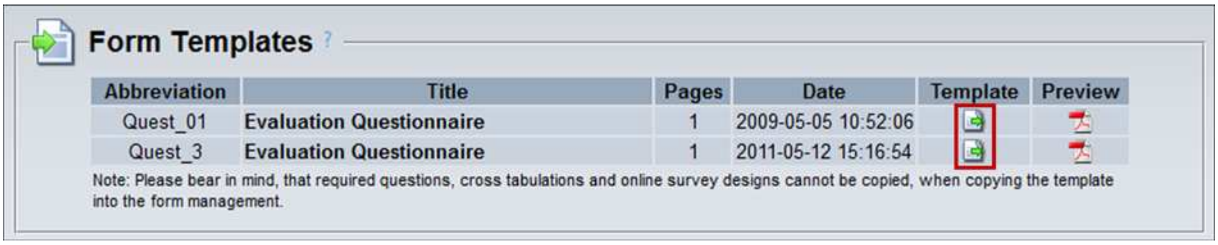

Carlos Hernandez
Instructor
Surveys
Folders
Questionnaires
Questionnaires
Create Questionnaire
Templates
Verification
Carlos Hernandez
Instructor
Surveys
Folders
Questionnaires
Questionnaires
Templates
Verification
Carlos Hernandez
Instructor
Surveys
Folders

Figure 214 a-c: Access Options to the Questionnaire Editor, to Templates or No Access

3.13.3. Generating and Editing Questionnaires

If an instructor wants to create questionnaires, he works with the VividForms Editor resp. – if licensed – with the VividForms Designer, just as the administrator does. For this purpose he clicks “Create Questionnaire” in the left context menu and selects the option “VividForms Editor” or “VividForms Designer”. To become acquainted with the VividForms Editor, the corresponding manual “Creating Questionnaires with the VividForms Editor” is available in the active user's account, area “Information”. The VividForms Designer Manual can be accessed via the interface of the VividForms Designer.

If the active instructor wants to add questions to an existing template he has to copy this questionnaire in his own form management. For this purpose click “Templates” in the left menu. A new page opens listing all the existing templates of the administrator and the corresponding subunit administrator. Click the icon in the column “Template” and the questionnaire automatically is copied in the form management of the active instructor:



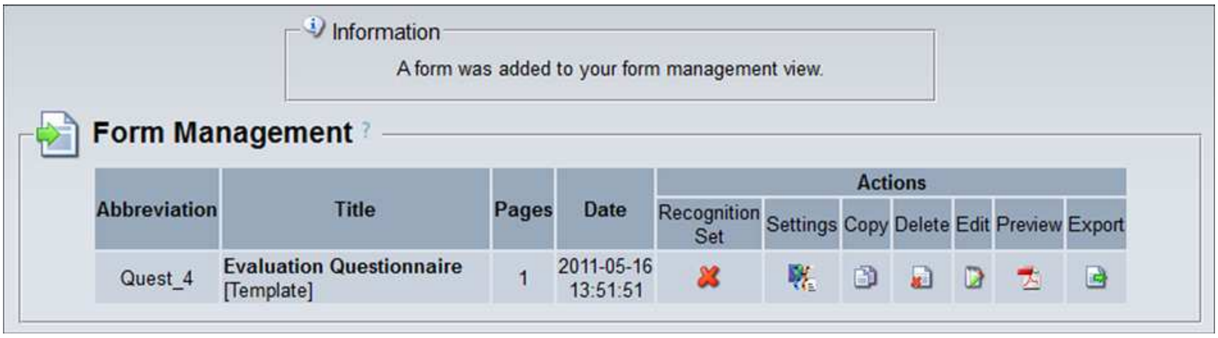
Form Templates

Abbreviation	Title	Pages	Date	Template	Preview
Quest_01	Evaluation Questionnaire	1	2009-05-05 10:52:06		
Quest_3	Evaluation Questionnaire	1	2011-05-12 15:16:54		

Note: Please bear in mind, that required questions, cross tabulations and online survey designs cannot be copied, when copying the template into the form management.

Figure 215: Copying a Template in the Own Form Management

An active instructor can find the form management in the left-hand menu when clicking “Questionnaires”. When clicking this option the list of own questionnaires opens:



Information

A form was added to your form management view.

Form Management

Abbreviation	Title	Pages	Date	Actions						
				Recognition Set	Settings	Copy	Delete	Edit	Preview	Export
Quest_4	Evaluation Questionnaire [Template]	1	2011-05-16 13:51:51	✗						

Figure 216: Copied Template in the Own Form Management

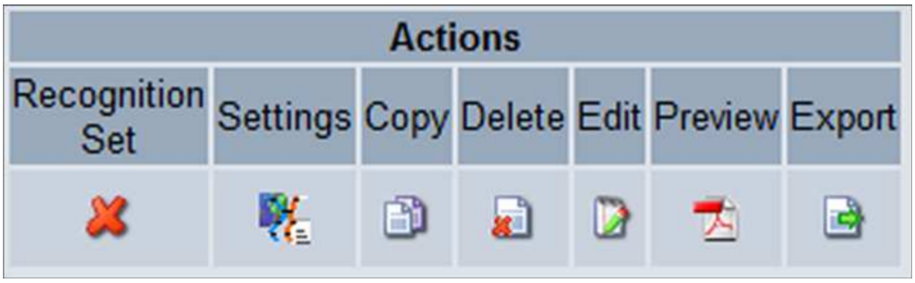
The questionnaire that has been copied from the list of templates is contained as a template here. You can recognize the copy by the modified Abbreviation (it is counted up: Quest_4 instead of Quest_3).

Besides the Abbreviation and the Title you can see the number of pages here, you can see if the questionnaire is already contained in the recognition set of the VividForms Reader and when the questionnaire was copied.

Furthermore the active instructor has the possibility to carry out the following actions:

- Add filters, required questions, validation and cross tabulations and define the display mode of the online survey (complete, per page, per chapter). Please read the relevant chapters of this manual for this purpose.
- Copy the questionnaire. Clicking the icon in the column “Copy” inserts a duplicate of the questionnaire in the list and counts up the abbreviation.
- Delete the questionnaire. Clicking the icon in the column “Delete” deletes the questionnaire – after an additional request if the questionnaire should really be deleted. If the questionnaire is based on the central template the template will not be deleted in this case, of course.
- Edit the questionnaire. Template can only be edited within the allowed limits.
- Preview a PDF-template of the questionnaire.
- Export the questionnaire. By clicking on the icon in the column “Export” active users can save the questionnaire as a .vfd-file in their file system and hand it on

e.g. to their colleagues. Those can read the file after importing it into EvaSys again.

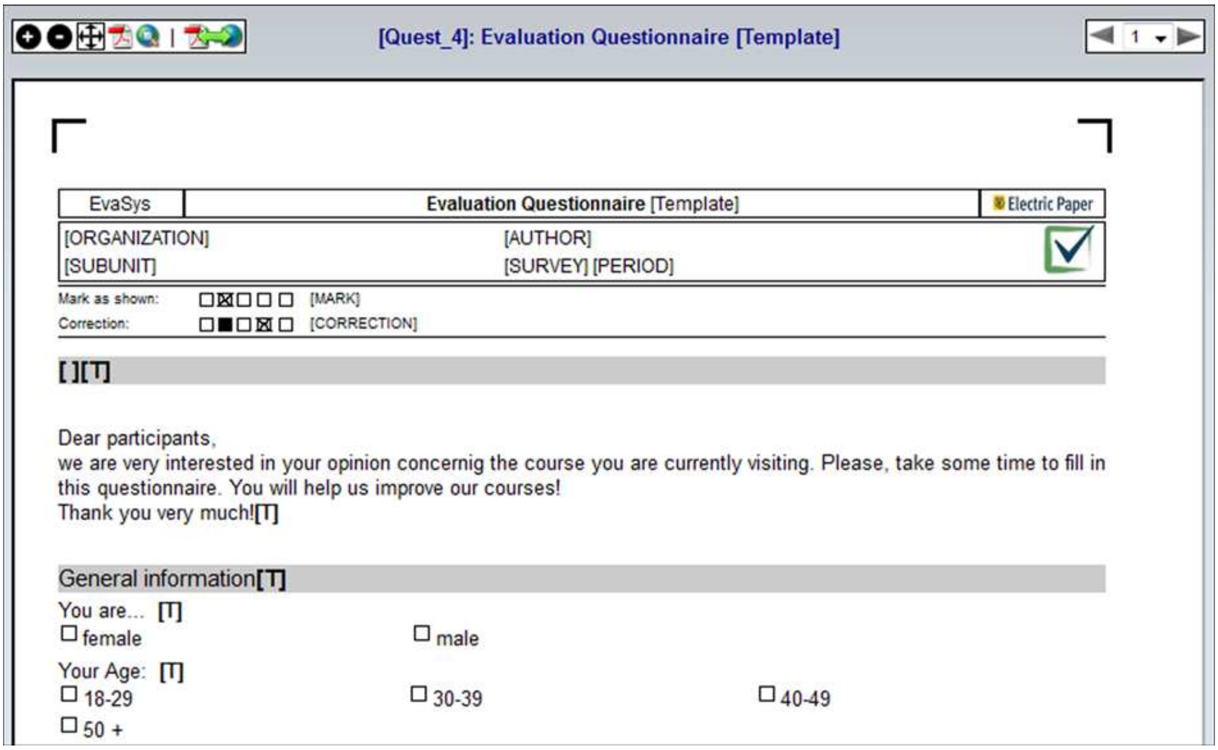


Actions						
Recognition Set	Settings	Copy	Delete	Edit	Preview	Export
✗						

Figure 217: Possible Actions in the Form Management of an Active Instructor

If the active instructor copied a template in his form management, he can edit it here. This is only allowed within the limits the (subunit) administrator has set. If e.g. the administrator created a template with three pages and 45 questions, and the questionnaire already has two pages and 40 questions, the instructor can only add one page and at the most five questions.

To add them to the template the active instructor clicks the paper and pencil-icon in the column “Edit”. The known VividForms Editor opens, but due to the limitations of the template (also indicated by the word “Template” in and above the header) the active instructor must not change the existing elements. All the question groups, questions and further elements show the annex [T], i.e. they are unchangeable. But the instructor may add additional elements (as long as the maximum number of pages and questions is not exceeded).



[Quest_4]: Evaluation Questionnaire [Template]

EvaSys	Evaluation Questionnaire [Template]	Electric Paper
[ORGANIZATION] [SUBUNIT]	[AUTHOR] [SURVEY] [PERIOD]	

Mark as shown: ☐☒☐☐☐ [MARK]
Correction: ☐■☐☒☐ [CORRECTION]

[ ][T]

Dear participants,
we are very interested in your opinion concernig the course you are currently visiting. Please, take some time to fill in this questionnaire. You will help us improve our courses!
Thank you very much![T]

General information[T]

You are... [T]
☐ female ☐ male

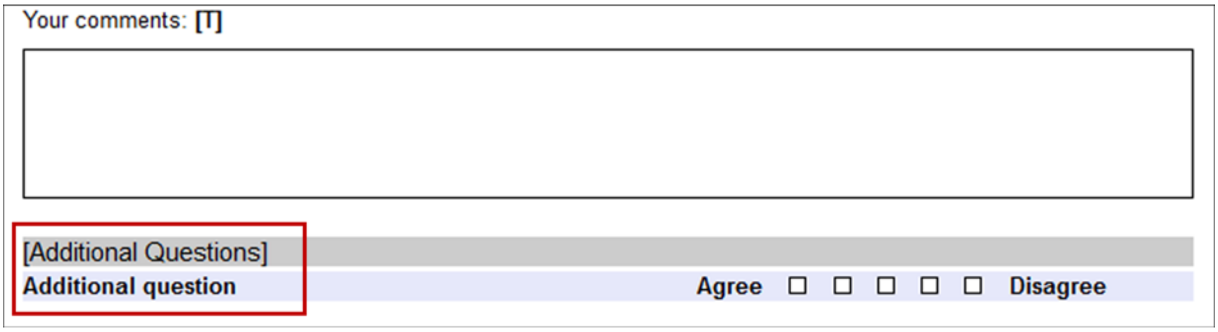
Your Age: [T]
☐ 18-29 ☐ 30-39 ☐ 40-49
☐ 50 +

Figure 218: Template Questionnaire

The new elements must be added to a new question group (a sort of chapter of the questionnaire, as is usual when working with the VividForms Editor). That entails that an active instructors must first of all decide where to add a new question group. He may add the question group in an arbitrary position, not only at the end. (However, it is not possible to interleave question groups, i.e. you cannot put a question group in another one.)

You can add any elements within a question group, e.g. questions, text boxes, line spaces etc.

The following graphics shows you a questionnaire that has been copied in the form management and can thus be modified. One question group ("New question group") and one question ("New question") was added, the remaining question groups and questions are the ones from the template (indicated by the [T]):



Your comments: [T]

[Additional Questions]

Additional question Agree ☐ ☐ ☐ ☐ ☐ Disagree

Figure 219: Integrated Question Group and Question in a Template

How many elements still can be added the active instructor can see when looking at the "Form Properties" at the bottom of the VividForms Editor menu:

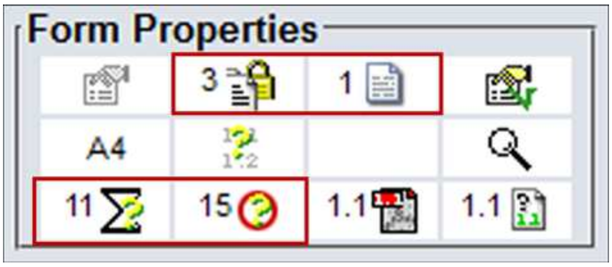


Figure 220: Form Properties of a Questionnaire

The upper information tells the user that you have a template where three pages are allowed (left information) and one page is already created (information on the right hand side).

The line below informs the active instructor about the actual number of questions (11-on the left) and the allowed number of questions (15-on the right).

3.13.4. Generating a Folder

After having changed the login date and possibly created some questionnaires the active instructor must create a folder to be able to work reasonably. The folders structure the surveys of an active instructor and shall therefore be created according to the use of the user account.

In the following there are named some possibilities for structuring a user account:

- Survey periods (e.g. semester, if the surveys of the active instructors are repeated regularly): e.g. Surveys SS12 – Surveys WS12/13 – Surveys SS13 etc.
- Survey types (if the surveys are not repeated regularly but can be assigned to specific survey types): Survey research project XY – Survey empirical studies YZ etc.
- Student/Participant projects if you allow that access: Surveys Diploma John Doe – Surveys Master Thesis Jane Doe – Surveys PHD Thesis John Sample

Of course you can combine several of those examples if suitable. But please notice: You cannot generate tree structures (i.e. a folder within a folder is not possible).

To generate a new folder click the button [Create new Folder]:

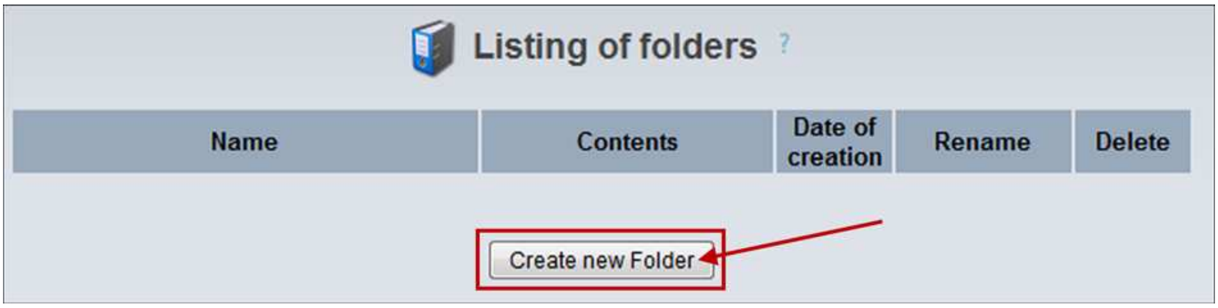
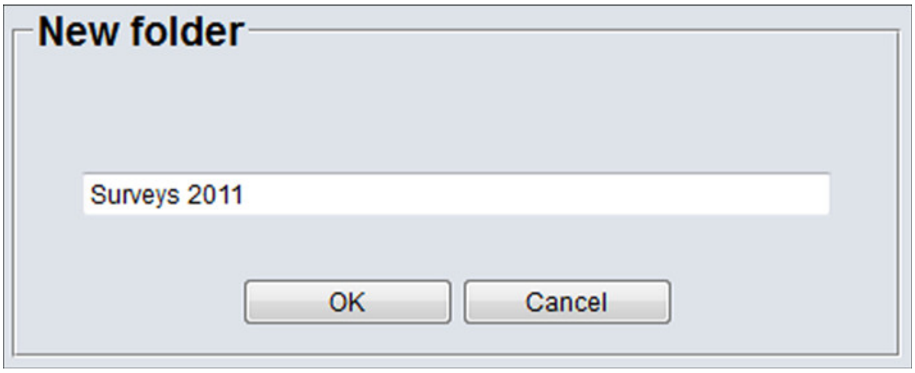


Figure 221: Create New Folder

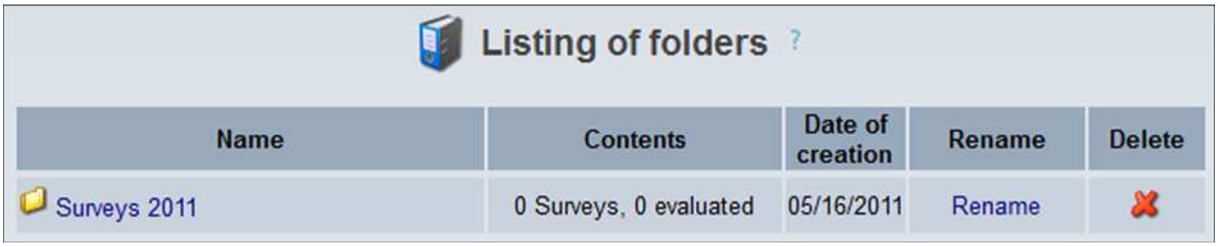
In the following dialogue the active instructor is asked for the name of the folder:



Surveys 2011

Figure 222: Name New Folder

After entering the name and clicking [OK] the folder appears in the list:



Listing of folders

Name	Contents	Date of creation	Rename	Delete
Surveys 2011	0 Surveys, 0 evaluated	05/16/2011	Rename	✗

Figure 223: New Folder in the Listing of Folders

3.13.5. Generating Surveys

After a folder has been created surveys can be set up in it. The user will be guided by an assistant who will ask the following questions:

- Selection of the questionnaire for use
- Selection of template for optional questions (only questionnaire templates)
- Entry of optional questions, self-formulated or from item library (only questionnaire templates)
- Entry of survey name
- Selection of procedure
    - Paper based survey (Hard copy procedure or Cover sheet procedure) with Web Verification
    - Online survey with PSWDs or online surveys with semi-public password and Time Control
    - - Hybrid Survey (Combination of paper and online survey)

The survey is then “ready”. The questionnaire and the PSWD document can be downloaded and printed or distributed. The batch mailing of emails to online survey participants is also possible.

3.13.6. Working with the Active Instructor’s Data

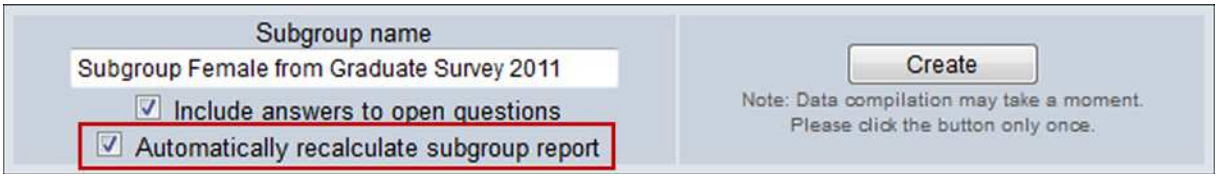
If data already exists for a survey of an active instructor, he – just like the report creator does with his reports – can create the survey subgroup reports. This means that single reports (for example one report each on male and female students) are created for the individual options single choice, multiple choice or scaled questions. (These types of single reports are also known as filtering.)

The survey does not have to be closed when the subgroup reports are created, meaning that more data can yet be captured. In this case, the subgroup reports of an active instructor can be updated automatically – unlike those of the report creator. An active instructor can decide whether he wants to create a dynamic subgroup.

Dynamic subgroup reports are updated automatically upon receipt of new data. This way, repeating the creation of subgroups is prevented. This function is particularly interesting when long-term surveys are running and if, over the course of the survey one wishes to follow up on reports filtered according to subgroups. (Because you can save the reports as PDF files at any time and thus keep them available even after an update.)

The dynamic subgroup reports are only available through active instructor accounts, meaning that report creators cannot use this function.

Open the details of a survey and in the area survey data click on “Evaluate subgroup”:



Subgroup name

Subgroup Female from Graduate Survey 2011

☑ Include answers to open questions

☑ Automatically recalculate subgroup report

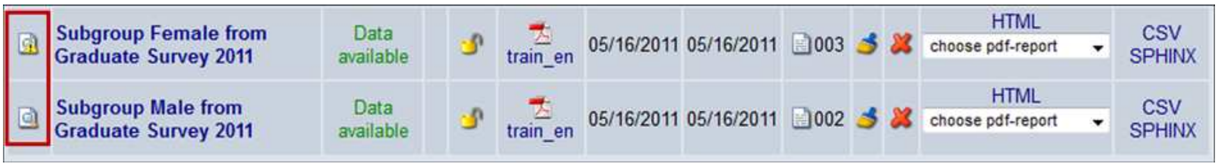
Note: Data compilation may take a moment. Please click the button only once.

Figure 224: Creating a Dynamic Subgroup

(Should this option not appear, please download the HTML or PDF analysis first and then click on [Update]).

Below the name of the subgroup, the automated update can be specified by means of the check mark box “Automatically recalculate subgroup report”.

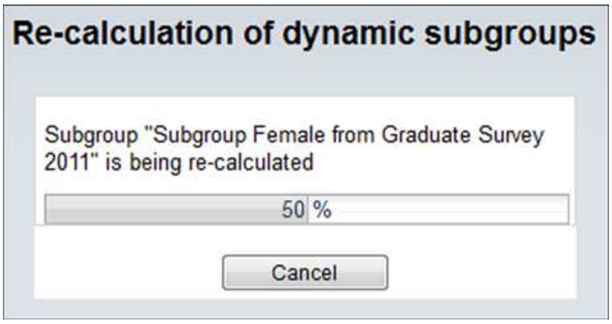
Dynamic subgroups are marked with the symbol , normal subgroups with the symbol :



Subgroup Female from Graduate Survey 2011	Data available	train_en	05/16/2011	05/16/2011	003	HTML choose pdf-report	CSV SPHINX
Subgroup Male from Graduate Survey 2011	Data available	train_en	05/16/2011	05/16/2011	002	HTML choose pdf-report	CSV SPHINX

Figure 225: Dynamic and Normal Subgroups in the Survey List

When new data is collected during the main survey (the example showing “TestSurvey1”) the subgroups are automatically updated when the folder is downloaded again:



Re-calculation of dynamic subgroups

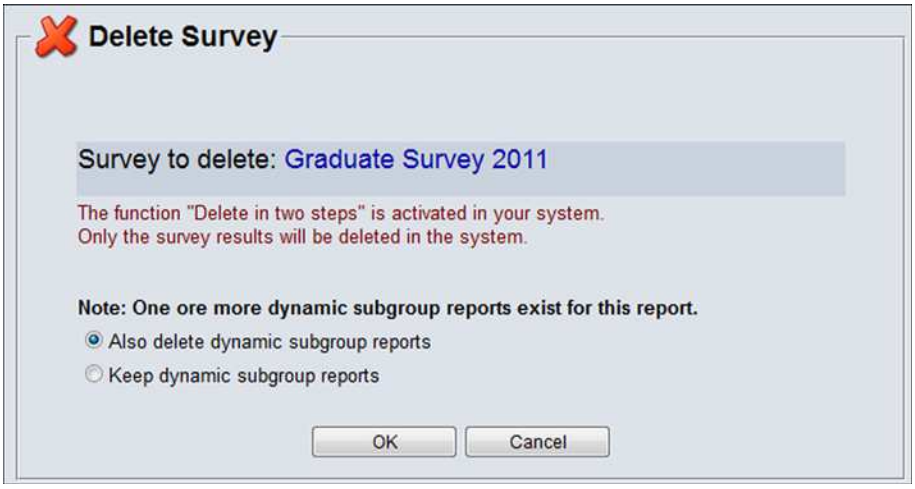
Subgroup "Subgroup Female from Graduate Survey 2011" is being re-calculated

50 %

Figure 226: Updating Subgroups

When recalculations are completed the updated reports are available immediately.

When a survey is to be deleted for which dynamic subgroups exist, an inquiry appears as to what should happen to the subgroups. The options are to either delete these reports, or alternatively to retain these reports under lack of their dynamic characteristics:



Survey to delete: Graduate Survey 2011

The function "Delete in two steps" is activated in your system.
Only the survey results will be deleted in the system.

Note: One ore more dynamic subgroup reports exist for this report.

● Also delete dynamic subgroup reports

○ Keep dynamic subgroup reports

Figure 227: Deleting a Survey for which Dynamic Subgroups exist

4. Phase 3: Capture and Instant Feedback

When the first questionnaires have been returned, the capture operations begin.

Make sure that the personnel who will be capturing the questionnaires are well trained in every aspect of the capture operation. The scanning procedure is a critical moment in the processing of the questionnaire. If the paper has been put in improperly or if the settings of the scanner have been unintentionally changed then further processing of the survey may be impossible.

EvaSys is set for maximum automation. A number of manual checking and correction steps which are crucial for the processing of complex questionnaires like invoices have been automated for the processing of questionnaires used in teaching evaluation surveys, which are relatively simple to read.

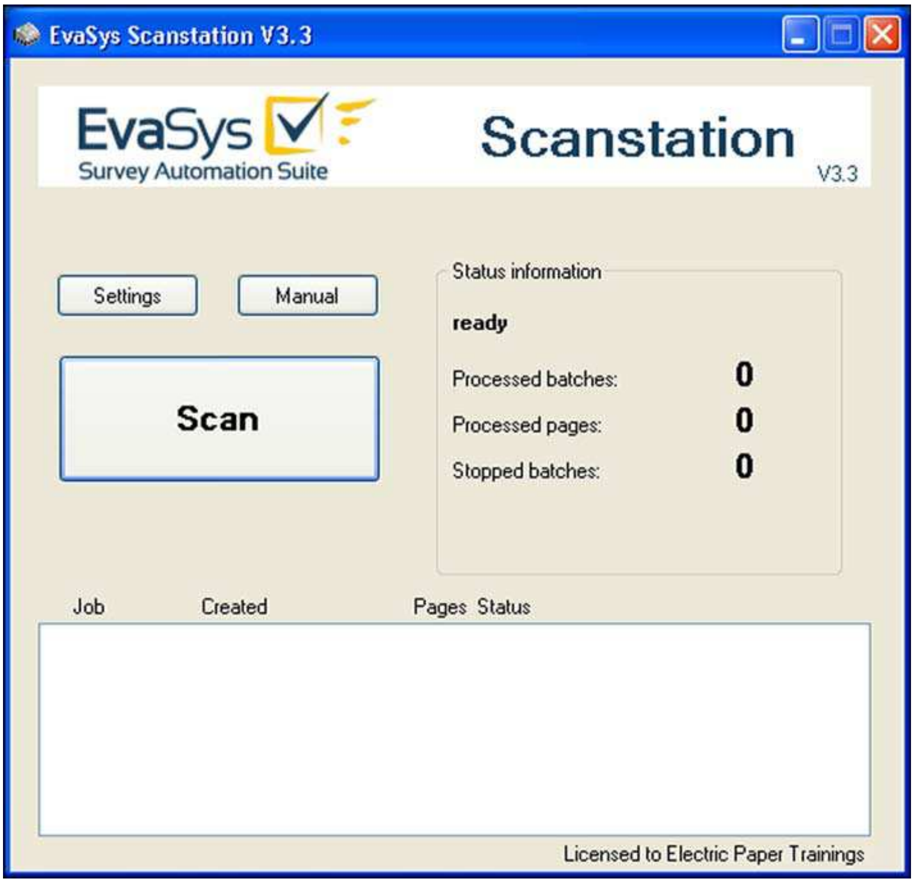
Before beginning a capture session we recommend testing that the operation is correct by scanning test questionnaires. If everything is ok, then, provided that the paper and print image quality remain the same, you can proceed to large scale capture of forms.

4.1. Scanning the Forms

The capturing of forms is performed with the help of the software “EvaSys Scanstation”. The communication with the scanner uses the TWAIN protocol.

To capture questionnaires, put the forms into the feeder of the scanning device and open the Scanstation. The scanning process is initialized by clicking the button [Scan]. The further processing is fully automated.

Via the button [Settings] the Scanstation can be configured, if required. Via the button [Manual] a detailed documentation can be opened.


EvaSys Scanstation V3.3
EvaSys Survey Automation Suite
Scanstation
V3.3
Settings
Manual
Scan
Job
Created
Pages
Status

Status information

ready

Processed batches: 0

Processed pages: 0

Stopped batches: 0

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Figure 228: Scanstation

For further information on the scanning process as well as on the settings of the scanstation please see the “Scanstation Manual”, which can be opened via the Scanstation interface or via the EvaSys menu “System Information/Manuals”.

4.1.1. Scanner Settings

To allow for a successful processing of forms with EvaSys, the scanner has to be configured in a specific way. The following standard settings apply to all models:

- Image Mode: Black and white
- Paper Size: A4 (210 x 297 mm)
- Resolution: 200 DPI
- Brightness: The threshold value should be slightly darker than average.
- Skew Correction: Deactivated
- Scan Type: Duplex (simultaneous scanning of both sides of the sheet)

Scanner configuration can differ in detail depending on the model and manufacturer. For more information, please consult the documentation supplied with your document scanner.

4.1.2. Important Rules for Scanning

Before beginning the scanning operation make sure that the following conditions have been fulfilled:

Make sure that only those questionnaires from a given survey are to be scanned in a scanning operation. The returns from one survey are called a batch.

If there are more forms than can fit in the feeder then after scanning the first partial batch the next batch is inserted and the scanning operation is continued.

Insert the paper as shown in the illustration.

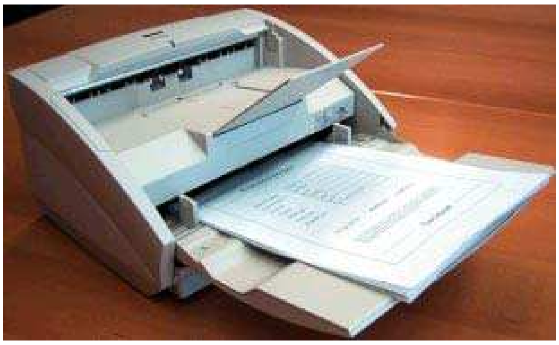


Figure 229: Correct insertion of questionnaires

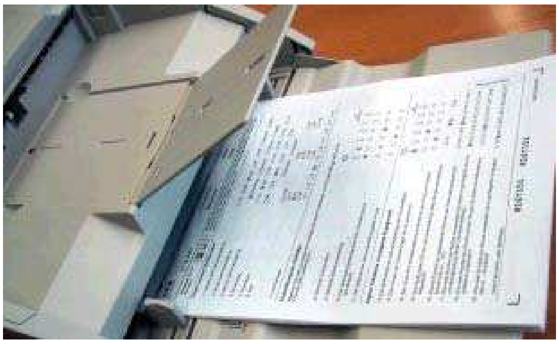


Figure 230: Correct insertion of a questionnaire

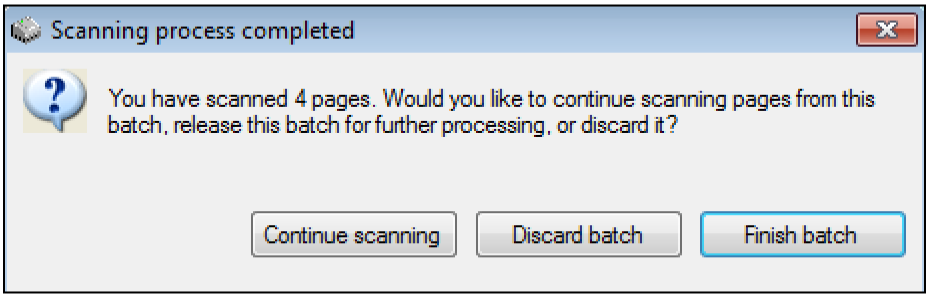
The survey ID (the double, seven-digit number on the cover sheet or on the first page of the questionnaire) must be on the first page of the batch.

In the cover sheet procedure the cover sheet must be scanned first.

If the questionnaires have more than one page, the questionnaire sets should be, if possible, scanned in a sorted sequence.

If multiple page questionnaires are mixed up then processing is still possible and the final results will be accurate but an analysis of subgroups cannot deliver accurate results unless a serial number has been added during batch print.

Now start the scanning operation. As a rule documents are scanned on both sides of the page (duplex), which is counted as one page each. If you scan 12 pages of paper printed on one side then the message box in duplex operation will show 24 pages scanned. Afterwards empty pages will be automatically eliminated so that there will be no interference with the data capture.



You have scanned 4 pages. Would you like to continue scanning pages from this batch, release this batch for further processing, or discard it?

Figure 231: Release/Cancel Batch

Now select [Scan more], if you want to capture a further batch from the SAME survey.

Select [Cancel batch] when the scanning is completed. The scanned forms will be transmitted to the EvaSys server and further processing is automatic. In order to scan another survey click in the main window [Scan].

If the scanning operation was not successful then click on [Release batch] in order to destroy the data scanned from the current scanning operation and to repeat as a new scanning operation.

4.2. Evaluation of Scanned Questionnaires

The processing of scanned batches is done with VividForms. In order for processing to continue the VividForms Reader must be in operation.

4.2.1. Recognition of the Checkboxes via Barcode and OMR

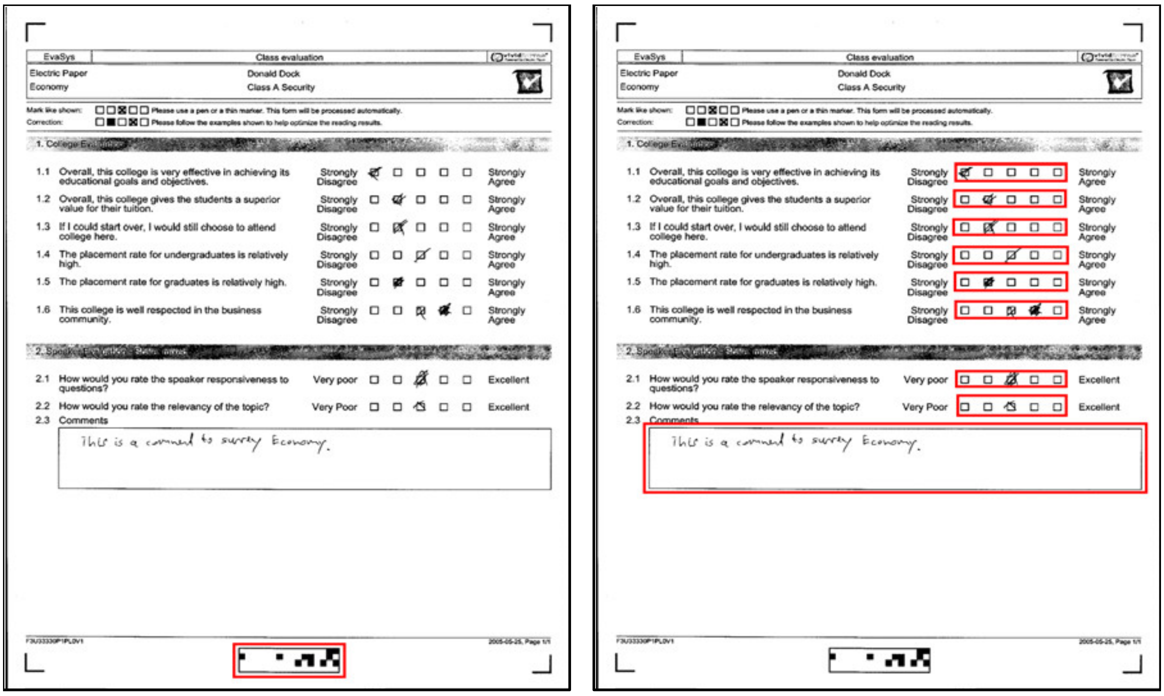
In the following graphic you see two form pages, one of which is a cover sheet and the other a page from the questionnaire. The relevant capture zones have been marked in red.

Barcode Recognition

On the cover sheet as well as the pages of the questionnaire there is a process number in the form of a 2D barcode. The barcode also contains information about the type of form being used.

OMR Recognition

Answer box fields as well as open questions are processed using so-called OMR Recognition (OMR = Optical Markup Recognition). In a defined capture zone the mark is scanned. Using a predefined threshold the system decides whether a check mark is valid or not or whether a completely filled in box is to be considered a correction or not. Open question fields are also searched for a significant marking and then saved as an image file. These image files are later integrated into the PDF reports.



EvaSys | Class evaluation

Electric Paper | Donald Dock

Economy | Class A Security

Mark like shown: ☐☐☒☐☐ Please use a pen or a thin marker. This form will be processed automatically.

Correction: ☐■☐☒☐ Please follow the examples shown to help optimize the reading results.

1. College Evaluation

1.1	Overall, this college is very effective in achieving its educational goals and objectives.	Strongly Disagree	☒	☐	☐	☐	☐	Strongly Agree
1.2	Overall, this college gives the students a superior value for their tuition.	Strongly Disagree	☐	☒	☐	☐	☐	Strongly Agree
1.3	If I could start over, I would still choose to attend college here.	Strongly Disagree	☐	☒	☐	☐	☐	Strongly Agree
1.4	The placement rate for undergraduates is relatively high.	Strongly Disagree	☐	☐	☒	☐	☐	Strongly Agree
1.5	The placement rate for graduates is relatively high.	Strongly Disagree	☐	■	☐	☐	☐	Strongly Agree
1.6	This college is well respected in the business community.	Strongly Disagree	☐	☐	☒	■	☐	Strongly Agree

2. Speaker Evaluation [illegible]

2.1	How would you rate the speaker responsiveness to questions?	Very poor	☐	☐	☒	☐	☐	Excellent
2.2	How would you rate the relevancy of the topic?	Very Poor	☐	☐	☒	☐	☐	Excellent

2.3 Comments

This is a comment to survey Economy.

F3U33330P1PL0V1

2005-05-25, Page 1/1

EvaSys | Class evaluation

Electric Paper | Donald Dock

Economy | Class A Security

Mark like shown: ☐☐☒☐☐ Please use a pen or a thin marker. This form will be processed automatically.

Correction: ☐■☐☒☐ Please follow the examples shown to help optimize the reading results.

1. College Evaluation

1.1 Overall, this college is very effective in achieving its educational goals and objectives. Strongly Disagree ☒ ☐ ☐ ☐ ☐ Strongly Agree

1.2 Overall, this college gives the students a superior value for their tuition. Strongly Disagree ☐ ☒ ☐ ☐ ☐ Strongly Agree

1.3 If I could start over, I would still choose to attend college here. Strongly Disagree ☐ ☒ ☐ ☐ ☐ Strongly Agree

1.4 The placement rate for undergraduates is relatively high. Strongly Disagree ☐ ☐ ☒ ☐ ☐ Strongly Agree

1.5 The placement rate for graduates is relatively high. Strongly Disagree ☐ ■ ☐ ☐ ☐ Strongly Agree

1.6 This college is well respected in the business community. Strongly Disagree ☐ ☐ ☒ ■ ☐ Strongly Agree

2. Speaker Evaluation [illegible]

2.1 How would you rate the speaker responsiveness to questions? Very poor ☐ ☐ ☒ ☐ ☐ Excellent

2.2 How would you rate the relevancy of the topic? Very Poor ☐ ☐ ☒ ☐ ☐ Excellent

2.3 Comments

This is a comment to survey Economy.

F3U33330P1PL0V1

2005-05-25, Page 1/1

Figure 232: Barcode and OMR Recognition

Interpretation Rules for Automation

In the interest of maximizing automation there are decision rules to handle exceptional cases which would normally require user interaction via VividForms WebVerifier. These are:

- If more than one check has been made, where only one is permitted then the check will be interpreted as “not marked”.
- If a check was detected but is under the threshold, (e.g. because the box was unintentionally marked) then it is considered as “not marked”.
- Even if you were to view questionnaires by sight it would not always be possible to determine in every case where two checkmarks were made which was intended as the correct response by the respondent.

4.2.2. Processing in VividForms Reader

Processing with VividForms Reader is explained in the manual “VividForms Reader”.

4.3. Correction of Checkboxes not Clearly Read: The Verification

The verification is used in order to correct checkboxes that have not been clearly read. The prerequisite for its use is that the verification is activated when generating a survey. In the drop-down menu there are two options available: If the option “All” is selected, all questions where the fill levels are borderline or where none are filled, or where more filled boxes than permissible are recognized, have to be checked. If the

“ICR” option is selected, only questions with handwriting recognition are displayed for correction.

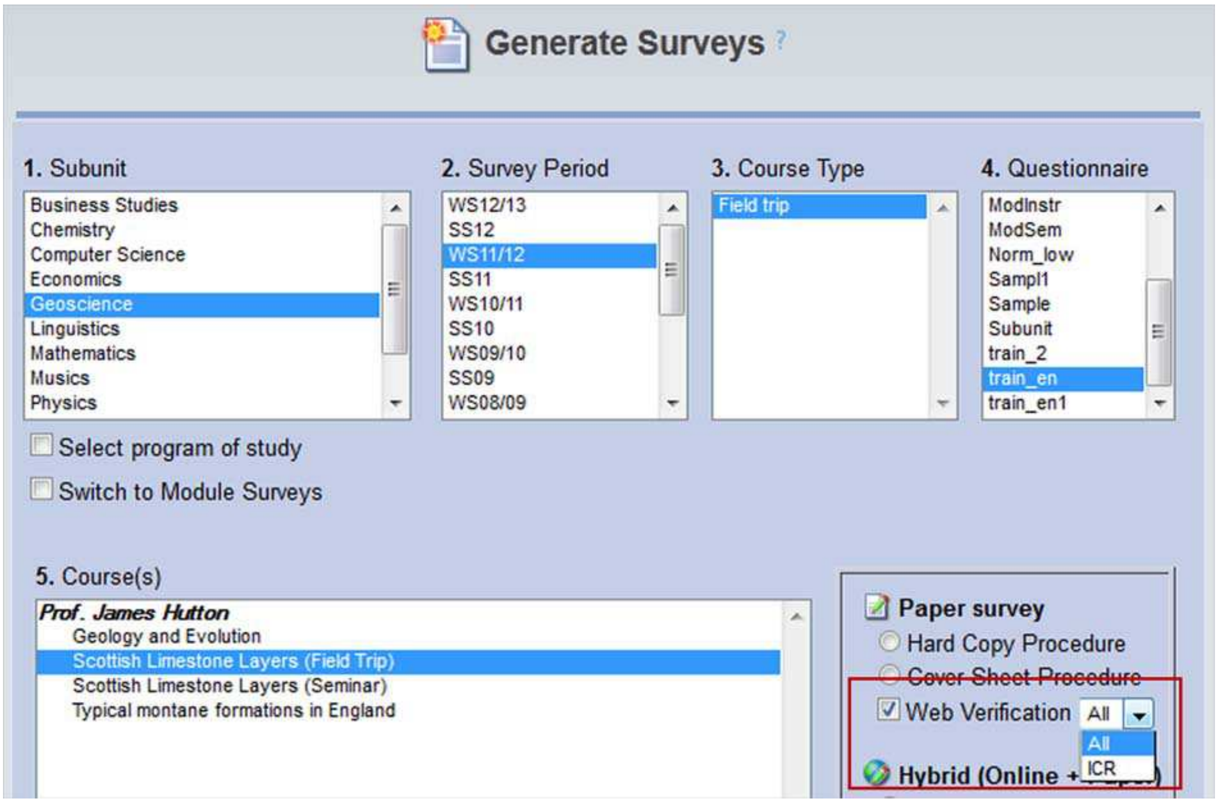

Generate Surveys ?
1. Subunit
Business Studies
Chemistry
Computer Science
Economics
Geoscience
Linguistics
Mathematics
Musics
Physics
2. Survey Period
WS12/13
SS12
WS11/12
SS11
WS10/11
SS10
WS09/10
SS09
WS08/09
3. Course Type
Field trip
4. Questionnaire
ModInstr
ModSem
Norm_low
Sampl1
Sample
Subunit
train_2
train_en
train_en1
☐ Select program of study
☐ Switch to Module Surveys
5. Course(s)
Prof. James Hutton
Geology and Evolution
Scottish Limestone Layers (Field Trip)
Scottish Limestone Layers (Seminar)
Typical montane formations in England
Paper survey
○ Hard Copy Procedure
○ Cover Sheet Procedure
☑ Web Verification All
All
ICR
Hybrid (Online + Paper)

Figure 233: Verification: Activate Verification for Surveys

In order to use the WebVerifier, as an administrator or subunit administrator, change to the role of “Verifier”. Alternatively, a separate user role of the user type “Verifier” can be created. This has the advantage of allowing the task to be delegated to other persons.

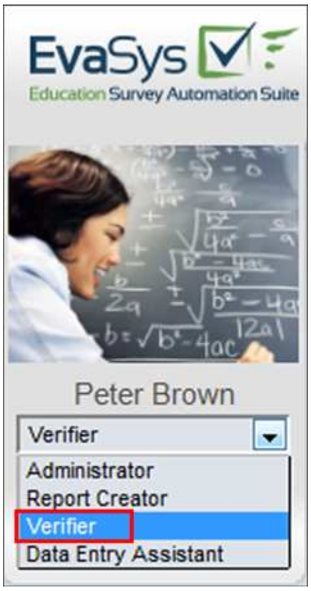

EvaSys
Education Survey Automation Suite
Peter Brown
Verifier
Administrator
Report Creator
Verifier
Data Entry Assistant

Figure 234: Verification: Change to the Verifier Role

After login, three different views are available, which can be changed with a click on the symbol: Batch View, Survey View and Form View.

4.3.1. Batch View

All batches needing to be verified are shown in a table.

The table is made up of the following columns:

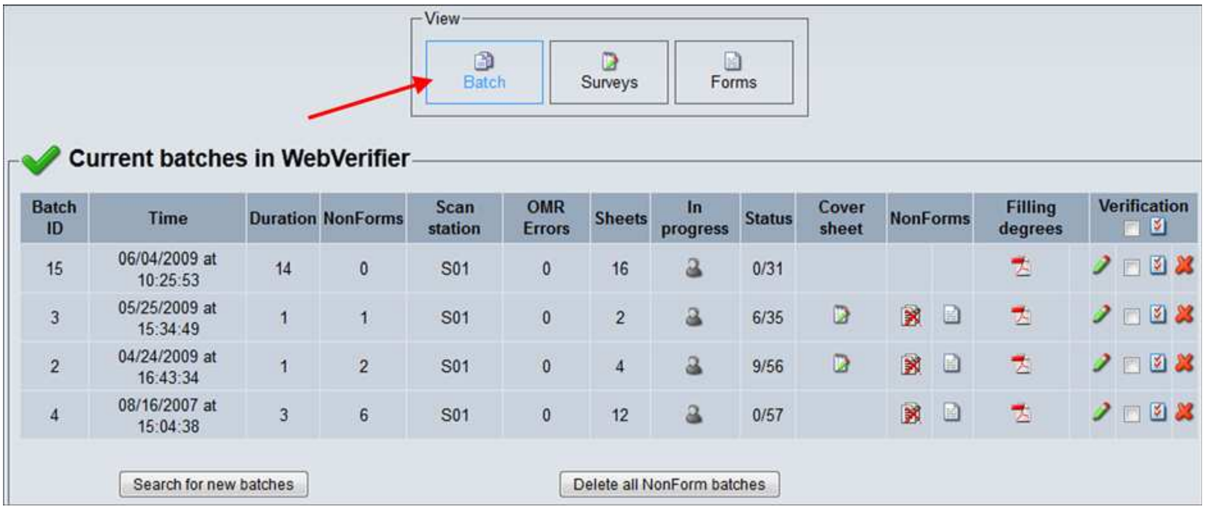
- Batch ID: Serial number of the batch
- Time: Scan time of the batch
- Duration: Processing time of the VividForms Reader in seconds
- NonForms: Number of unidentified pages in a batch
- Scanstation: Name of the scanstation
- OMR errors: Number of checkboxes not found
- Sheets: Number of all pages
- In progress: Shows whether other users are already processing the batch
- Status: Corrections already processed/Total corrections
- Cover Sheet: Display cover sheets
- NonForms: Delete all NonForms

  Display NonForms
- Filling Degrees: Display filling degrees in original PDF

  Export filling degrees as CSV file (only when activated in the EvaSys Settings)
- Verification Process batch

  Verify automatically

  Delete batch



Current batches in WebVerifier

Batch ID	Time	Duration	NonForms	Scan station	OMR Errors	Sheets	In progress	Status	Cover sheet	NonForms	Filling degrees	Verification ☐ ☑
15	06/04/2009 at 10:25:53	14	0	S01	0	16		0/31				☐ ☑ ✗
3	05/25/2009 at 15:34:49	1	1	S01	0	2		6/35				☐ ☑ ✗
2	04/24/2009 at 16:43:34	1	2	S01	0	4		9/56				☐ ☑ ✗
4	08/16/2007 at 15:04:38	3	6	S01	0	12		0/57				☐ ☑ ✗

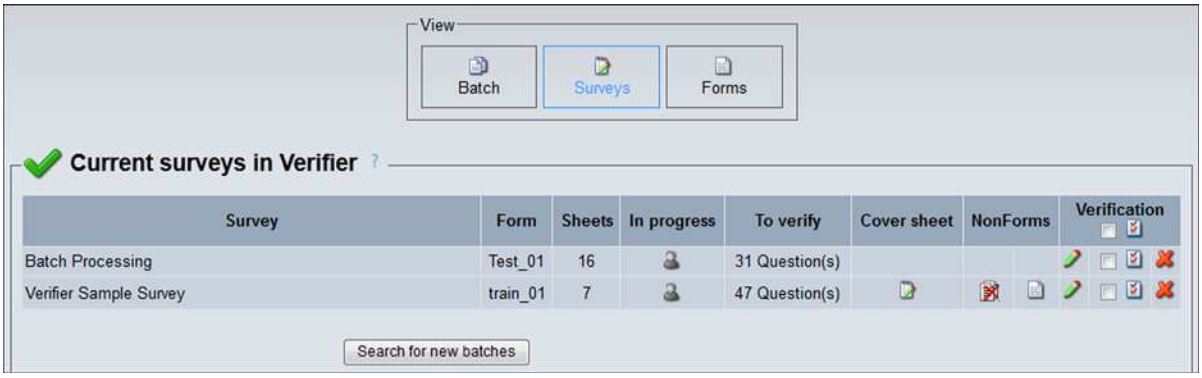
Figure 235: Verification: Batch View

4.3.2. Survey View

In this view you will see all of the surveys that still need to be verified. Because surveys can be scanned in a number of batches and a VividForms batch can have a number of surveys in it the number of surveys is rarely identical with the number of batches.

The table is made up out of the following columns:

• Survey:	Name of the survey
• Form:	Short name of form
• Sheets:	Number of recognized forms
• In progress:	shows whether other users are already processing the batch
• To verify:	Number of corrections
• Cover Sheet:	Display cover sheets
• NonForms:	Delete all NonForms
	Display NonForms
• Verification	Process batch
	Verify automatically
	Delete batch



Current surveys in Verifier

Survey	Form	Sheets	In progress	To verify	Cover sheet	NonForms	Verification ☐ ☑
Batch Processing	Test_01	16		31 Question(s)			☐ ☑
Verifier Sample Survey	train_01	7		47 Question(s)			☐ ☑

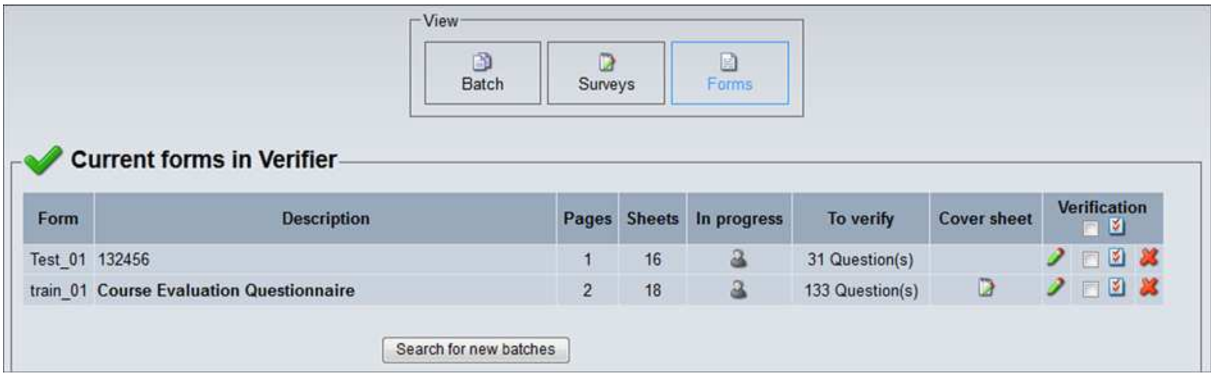
Figure 236: Verification: Survey View

4.3.3. Form View

The form view gives you an overview of the questions that remain to be corrected at the form level. A form is normally made up of a number of surveys, which are scanned in a number of batches.

The table has the following columns:

Form:	Short name of the form
Description:	Title of the form
Pages:	Number of pages of the form
Sheets:	Number of recognized forms
In progress:	shows whether other users are already processing the batch
To verify:	Number of corrections
Cover Sheet:	Display cover sheets
Verification	Process batch Verify automatically Delete batch



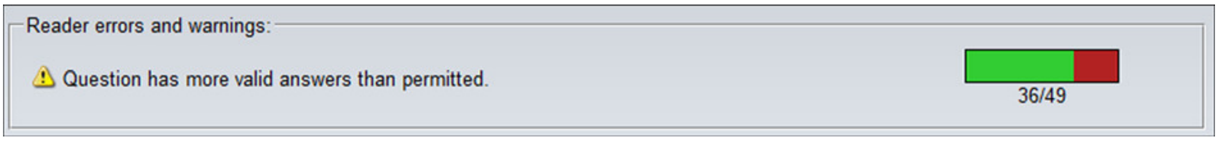
Current forms in Verifier

Form	Description	Pages	Sheets	In progress	To verify	Cover sheet	Verification ☐ ☑
Test_01	132456	1	16		31 Question(s)		☐ ☑
train_01	Course Evaluation Questionnaire	2	18		133 Question(s)		☐ ☑

Figure 237: Verification: Form View

4.3.4. Carrying out the Verification

As soon as you click on the “Process” symbol (green pencil) in a view you will be automatically taken to the correction view. In the correction view there is always a question to be verified. You work through the questions one by one until you are finished verifying all the questions in the batch (or in the survey or in the form).


Reader errors and warnings:

⚠ Question has more valid answers than permitted.

36/49

Figure 238: Verification: Processing Status and Messages

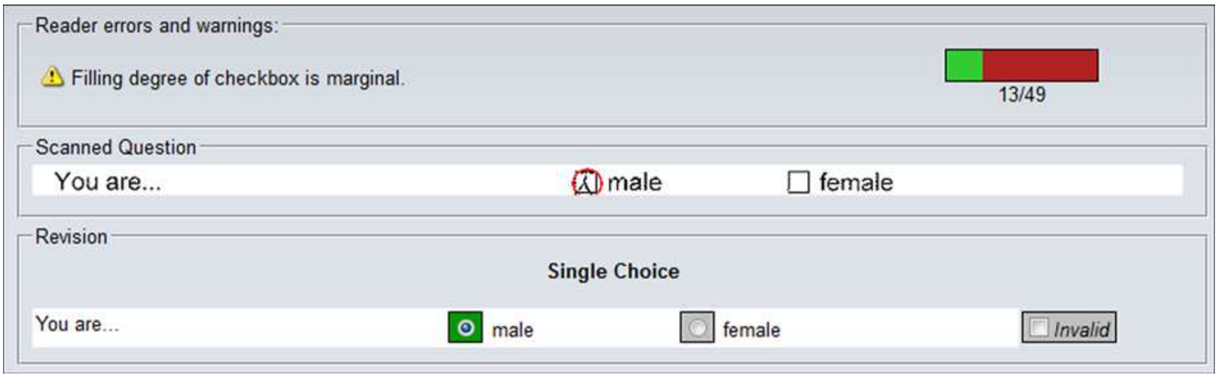
The current processing status is shown in a bar in the upper left corner of the screen. The green area symbolizes the questions that have already been corrected, while the red area shows the number still to be corrected. The number of questions is also shown.

Left of the bar graph you can see the status messages from VividForms Reader .

The three most common alarm signals are:

- The fill value of the response field is borderline.
- More than one checkbox has been checked for this question.
- The fill value of the checkbox field exceeds the upper fill value (cancel checkmark)

Below the header you can see the original image box and below that the correction view. In the correction view you can see the solution VividForms Reader suggests. A click on the image box enlarges it in a separate window.


Reader errors and warnings:

⚠ Filling degree of checkbox is marginal.

13/49

Scanned Question

You are... ☒ male ☐ female

Revision

Single Choice

You are... ● male ○ female ☐ Invalid

Figure 239: Verification: Correction of a Single Choice Question

In the figure above you can see a scaled question with a fill value that is not above the threshold for positively identified checkmarks. The checkmark was then displayed for verification. As no other box was recognized as having a significant fill value the VividForms verifier recommended to accept the left box as checked. You can now correct this recommendation by selecting a different box or marking the answer to this question as “invalid”.

By clicking on **[Next]** at the bottom of the view the correction is adopted and you are taken automatically to the next question.

By clicking on **[Back]** you can move backwards within a verification batch, so as to edit a verified question again.

In addition, the following buttons are available:

[Sheet] – Displays the complete sheet in a new window. The question being processed is circled in red. This view can be helpful for seeing the whole context.

[Cancel] – The correction is cancelled. Please note that all corrections made since the last save will be lost.

[Save] – The current corrections including the open view are saved. Then you will be automatically taken back to the view you were in before going to the correction view. The verification can be continued immediately or at a later date.

Saving the verification is necessary, for example, when you interrupt your work. When you have finished verifying a batch the results are automatically saved and the overview is displayed.

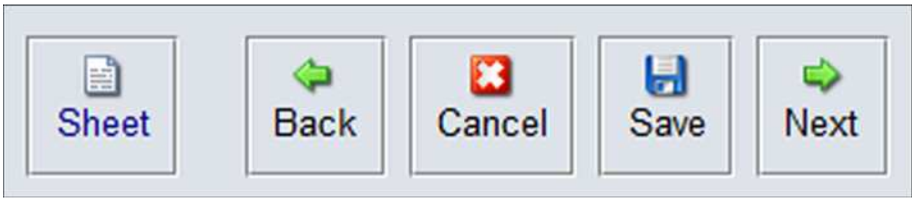


Figure 240: Verification: Navigation

The verification is however completed when the NonForms in a batch have been deleted. You can do this by using the NonForms view or the button [Delete NonForms]. When the NonForms are deleted after completing the manual verification then the verification must be completed by clicking on the button [Process batch]. Now all the results of the batch are submitted to the database and the evaluation can be downloaded from EvaSys.

4.3.5. Automatic Verification

To accelerate the process of verification, a number of cases can be verified automatically in the WebVerifier. The prerequisite for automatic verification is that the relevant option in the systems settings is activated (“System Settings/EvaSys Settings/Functions/Automatic Verification”).

In each of the three views (batch, survey and form view) a checkbox appears in the column “Verification” as well as an icon for the automatic verification. To verify a stack automatically, activate the checkbox and click on the corresponding icon. If multiple stacks are to be automatically verified simultaneously, activate the checkboxes for all the corresponding batches/surveys/forms and then click in the header on the icon for verification. By selecting or deselecting the checkbox in the header, you can select or deselect all stacks/surveys/forms simultaneously.

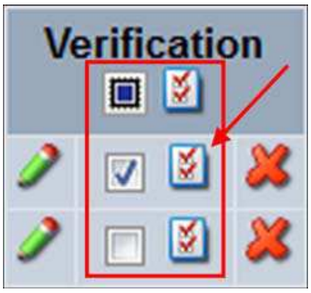
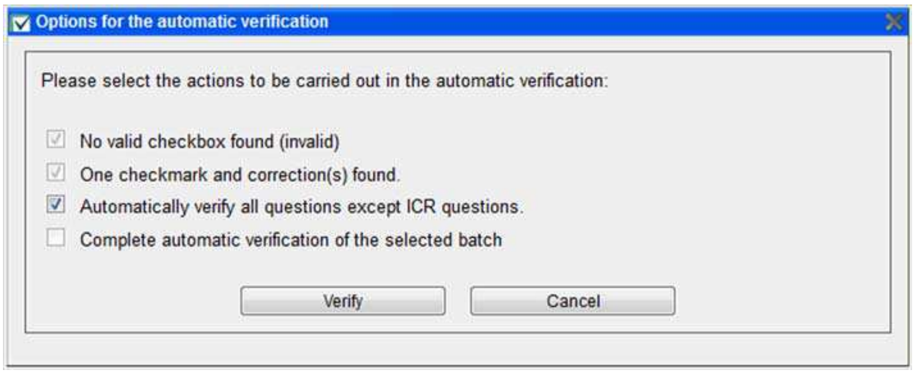


Figure 241: Verification: Activating Automatic Verification

After clicking on the button a selection window opens, by which the settings for the verification can be defined.



Please select the actions to be carried out in the automatic verification:

☑ No valid checkbox found (invalid)
☑ One checkmark and correction(s) found.
☑ Automatically verify all questions except ICR questions.
☐ Complete automatic verification of the selected batch

Figure 242: Verification: Options for automatic Verification

The following options are available:

- No valid checkbox found (invalid): All cases, in which no valid checkbox is found for a question, are determined invalid.
- One checkmark and correction(s) found: All cases, in which a checkmark and one or more corrections is found are automatically determined valid with the corresponding checkmark.
- Automatically verify all questions except ICR questions: All questions except questions with handwriting recognition will be automatically verified.
- Complete automatic verification of the selected batch: The batch will be completely verified automatically; this means the manual verification will bypassed entirely.

The first two options can, if desired, be combined with each other. By clicking on the button [Perform Verification] the desired process is initiated and the relevant questions are filtered from the total amount of questions to be processed.

4.3.6. Check Filling Degrees

In the batch view, the section “Filling Degrees” appears in the table. Using the PDF icon here, a PDF file can be opened which contains the scanned pages with all of the degrees of shading measured for the check boxes and open questions. If the ICR recognition (handwriting recognition) is in use, the characters read can also be viewed in this file.

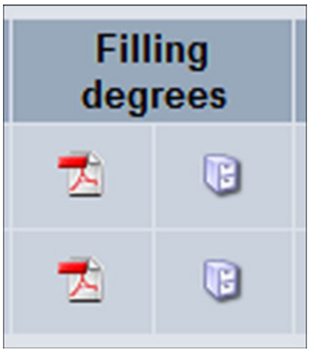


Figure 243: Verification: Check Filling Degrees

Note:
The PDF can only be opened, when the display of the entire questionnaire page is allowed for verification (Menu "System Settings/EvaSys Settings/Functions/Data entry assistant/Verifier: View entire original questionnaire page").

The presentation provides a good overview of the values measured and allows for consideration of adjustments to the OMR threshold. As in this PDF file only data above the minimum degree of shading (standard 15%) is shown, the minimal degree of shading can be experimentally lowered to 1%, so as to get a clearer insight into the degree of shading of empty, unchecked check boxes. For expedient OMR thresholds it is important to keep a sufficient gap between the degree of shading of empty check boxes as well as that of "real", only lightly checked check boxes. Please make sure that, after such an experimental scan test, the OMR threshold settings, where applicable, are returned to their original values.

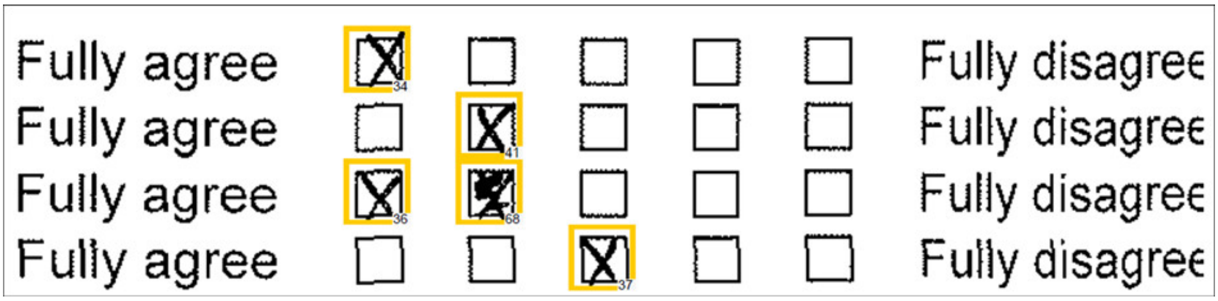
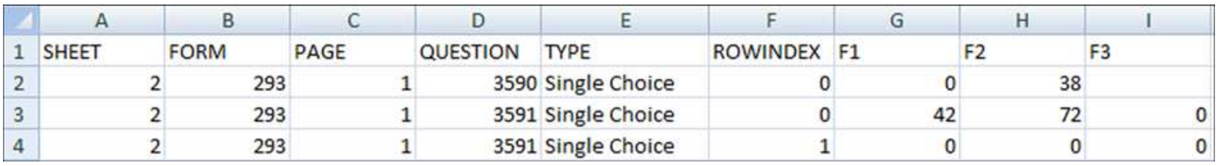


Figure 244: Verification: Filling Degrees in PDF-View

For an empirical analysis of the degrees of shading measured, the values can also be recalled from a CSV export. This feature is by default disabled, and can only be activated by the administrator via the configuration option "Maintenance/CSV export of filling degrees in the Verifier".

The CSV file is structured in the following way:

SHEET | FORM | PAGE | QUESTION | TYPE | ROWINDEX | F1 | F2 | F3 | …



	A	B	C	D	E	F	G	H	I
1	SHEET	FORM	PAGE	QUESTION	TYPE	ROWINDEX	F1	F2	F3
2	2	293	1	3590	Single Choice	0	0	38	
3	2	293	1	3591	Single Choice	0	42	72	0
4	2	293	1	3591	Single Choice	1	0	0	0

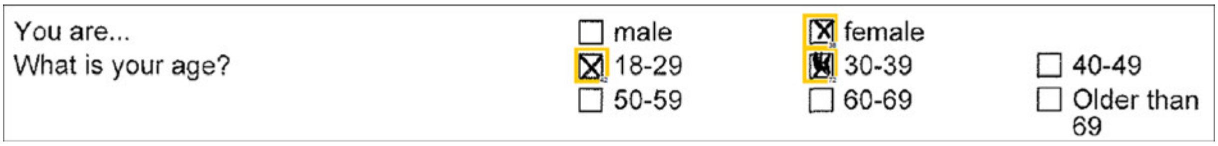
Figure 245: Verification: CSV-Export of Blackening Degrees

Each line in the CSV file equals one line of the questionnaire. The table contains the following information (from left to right):

SHEET	Number of scanned page in the page
FORM	Internal form-ID
PAGE	Page number of a questionnaire
QUESTION	Internal question-ID
TYPE	Question type (e.g. Single Choice, Matrix Field, Scaled Question)
ROWINDEX	Indicates the line of a question; normally the rowindex = 0, each further question will be numerated in ascending order (1, 2, …). Open questions always have a rowindex = 0, even if they have more than one line.
F1, F2, F3, …	Indicates the blackening degree within checkboxes in a line from left to right; checkboxes without blackening show the value 0, for boxes with a blackening the percentaged blackening degree is shown.

Table 13: Construction of the CSV file Blackening Degrees

Consequently, the figure above can be interpreted as follows: The first single choice question (3590) is a question with two answer options. The second box has been checked and shows a blackening degree of 38%. The second single choice question is a question whose answer options spread over two lines. In the first line the first box was checked with a blackening degree of 42%, the second with a degree of 72%. The following figure shows the corresponding section in the PDF file:



You are...
What is your age?

☐ male ☒ female
☒ 18-29 ☒ 30-39 ☐ 40-49
☐ 50-59 ☐ 60-69 ☐ Older than 69

Figure 246: Verification: Filling degrees in the PDF file

Note:
Please note, that the flexible layout of VividForms Designer questionnaires can lead to displacements in the CSV file.

For further information concerning the control and adjustment of OMR thresholds please refer to the Scanstation Manual.

4.3.7. Responses to Open Questions

Responses to open questions are only displayed in the WebVerifier when the option „Handwriting recognition“ was activated on creating the open question (for information on handwriting recognition in open questions see chapter C 2.6.3. "Open Question"). In this case, the results of the ICR analysis can be controlled and, if necessary, corrected with the help of the WebVerifier.

Open questions without handwriting recognition are directly transferred to the database in form of an image and, if desired, can be further processed by the anonymizer.

4.3.8. Keyboard Control in the Verification

There are a number of keyboard shortcuts that allow you to use the verification without a mouse. The shortcuts function in most current web browsers. The actions are done by pressing the ALT key and a further key. Please note that some keyboard shortcuts may be missing from some views.

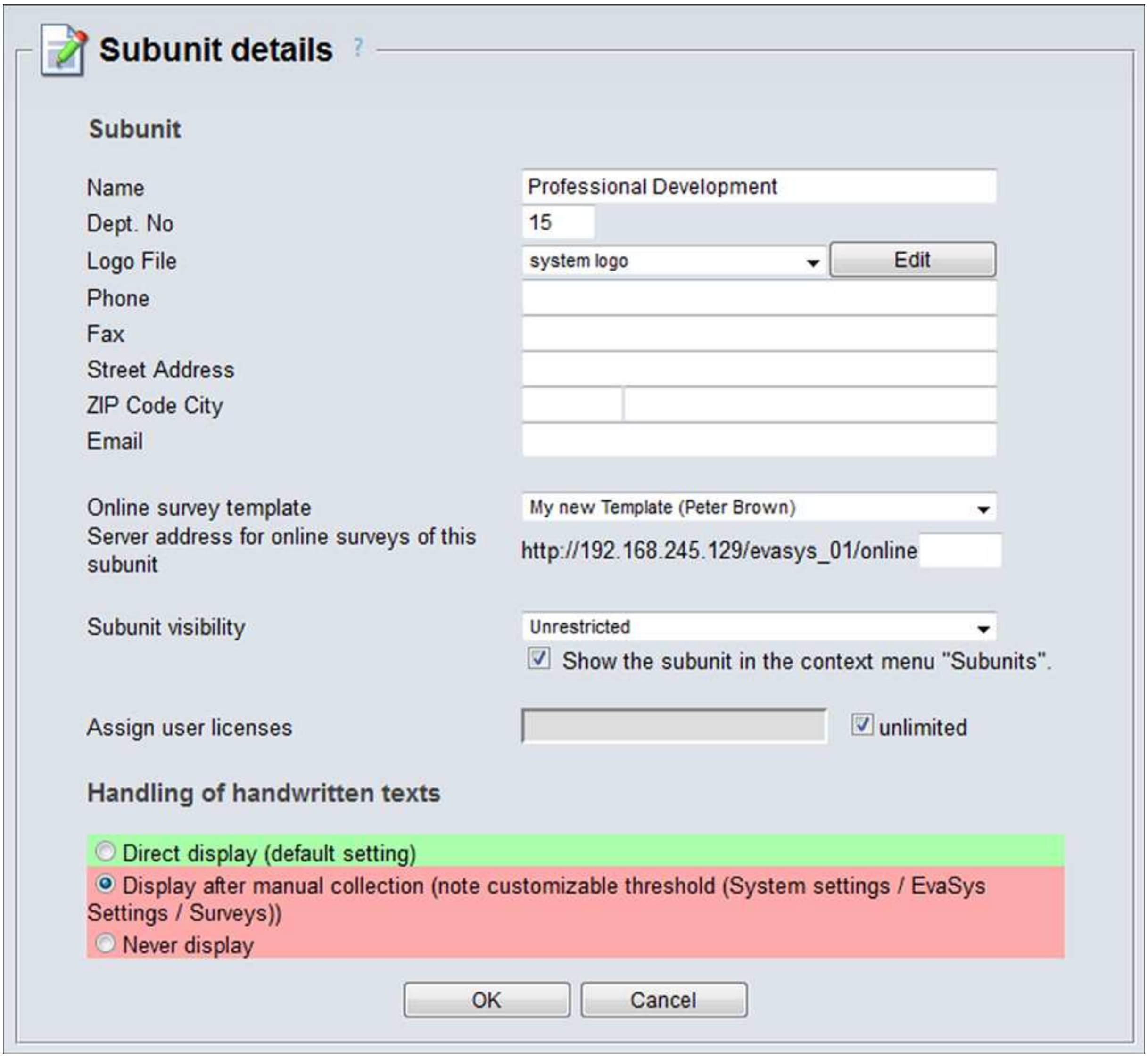
Shortcut	Action
ALT+B	Batch View
ALT+Y	Survey View
ALT+R	Form View
ALT+N	Search New Batch
ALT+Q	Enlarge Image Box
ALT+U	Mark Question as Invalid
ALT+P	Display Sheet
ALT+C	Cancel
ALT+S	Save
ALT+F	Next

Table 14: Keyboard Shortcuts in WebVerifier

4.4. Manual Entry of Handwritten Comments

If handwritten responses to open questions should be anonymized then for each subunit concerned the option “display after manual collection” in the section “handling of handwritten texts” must be activated. You can change this in subunit details. For subunit details click on the subunit overview in column “Edit” on the icon.

The option “Display after manual collection” will hold back the answers of open questions until the captured images of the open questions have been anonymized. Until then, the PDF report only contains the answers to closed questions.



Subunit details

Subunit

Name: Professional Development
Dept. No: 15
Logo File: system logo

Phone:
Fax:
Street Address:
ZIP Code City:
Email:

Online survey template: My new Template (Peter Brown)
Server address for online surveys of this subunit: http://192.168.245.129/evasys_01/online

Subunit visibility: Unrestricted
☑ Show the subunit in the context menu "Subunits".

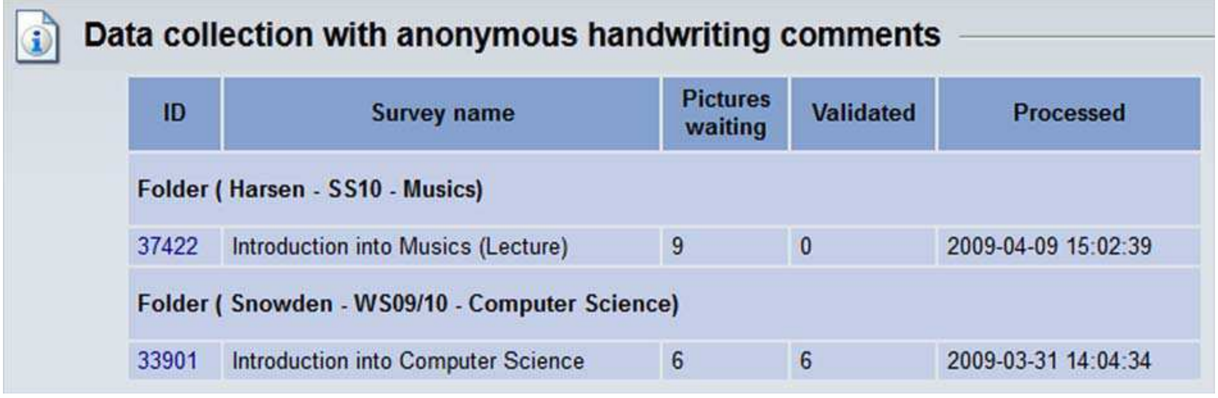
Assign user licenses: ☑ unlimited

Handling of handwritten texts

○ Direct display (default setting)
● Display after manual collection (note customizable threshold (System settings / EvaSys Settings / Surveys))
○ Never display

Figure 247: Activation of Manual Entry of Handwritten Comments

Create a user account of the type “Data Entry Assistant” and log in with the login data, or, as an administrator/Subunit Administrator, change to the role of “Data Entry Assistant”. A list of all surveys containing images is displayed:

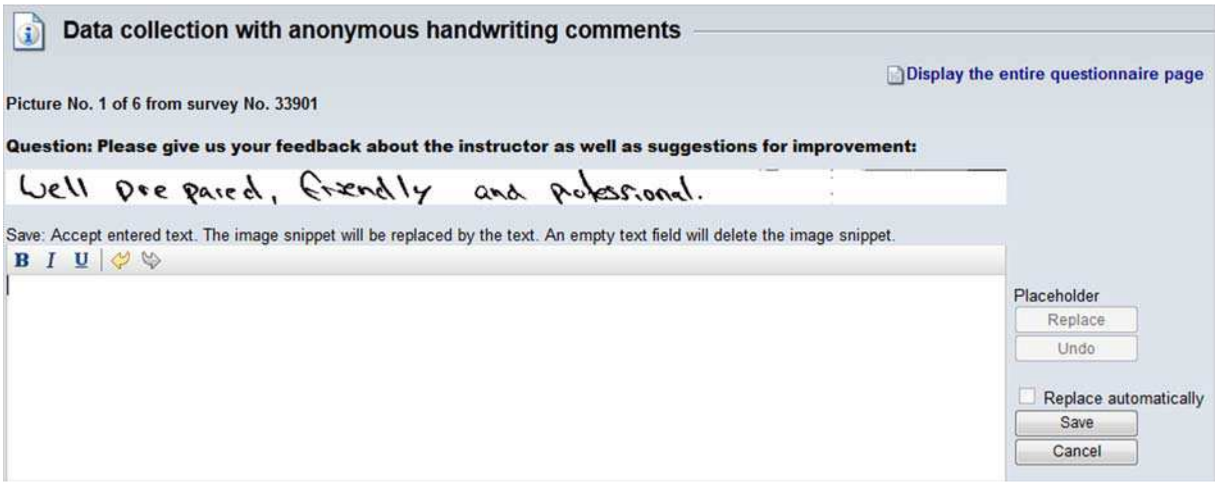


Data collection with anonymous handwriting comments

ID	Survey name	Pictures waiting	Validated	Processed
Folder (Harsen - SS10 - Musics)				
37422	Introduction into Musics (Lecture)	9	0	2009-04-09 15:02:39
Folder (Snowden - WS09/10 - Computer Science)				
33901	Introduction into Computer Science	6	6	2009-03-31 14:04:34

Figure 248: Data Entry Assistant: Survey Overview

After clicking on the corresponding survey-ID the first image will be displayed. The contents can be entered into the text window below the picture.



Data collection with anonymous handwriting comments

Display the entire questionnaire page

Picture No. 1 of 6 from survey No. 33901

Question: Please give us your feedback about the instructor as well as suggestions for improvement:

Well prepared, friendly and professional.

Save: Accept entered text. The image snippet will be replaced by the text. An empty text field will delete the image snippet.

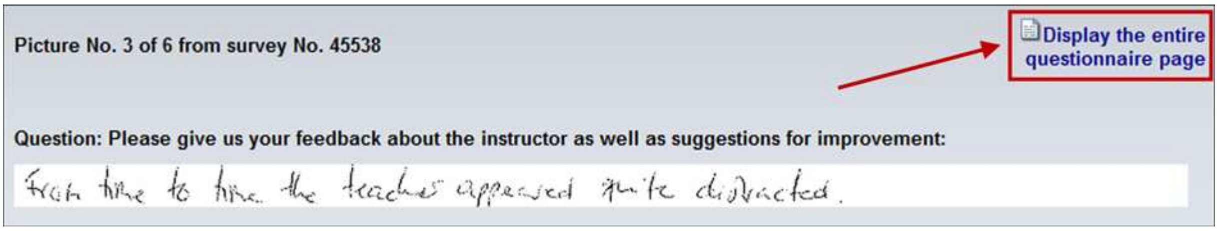
Figure 249: Data Entry Assistant: Detail View

After each text has been entered, the next image will appear and a table of comments will be built up. Next to each comment there is the response frequency.

If a comment is essentially repeated, then instead of entering it again it can be highlighted, which will increase the response frequency.

If a text has been entered with a typing error then each line can be corrected by clicking on green pencil.

With the help of the option “Display the entire questionnaire page” in the upper right corner of the screen, the data entry assistant can, if necessary, display the entire questionnaire page containing the image. In this way, texts can be fully acquired, even if the participant has written outside of the box. If necessary, one can even zoom in, making hard to read text more legible.



Picture No. 3 of 6 from survey No. 45538

Display the entire questionnaire page

Question: Please give us your feedback about the instructor as well as suggestions for improvement:

From time to time the teacher appeared quite distracted.

Figure 250: Data Entry Assistant: Display the original scanned page

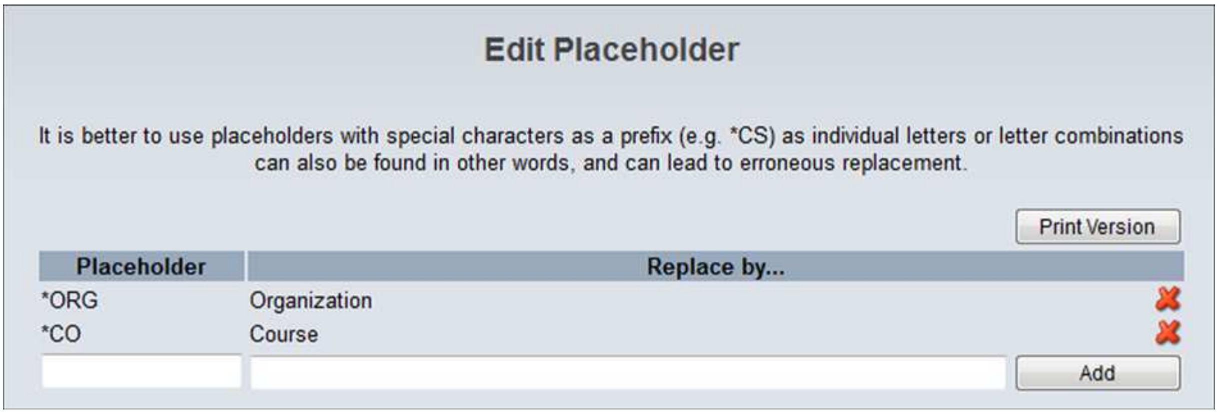
If you do not want the data entry assistant be able to see the entire page of the form, this option can be deactivated in the EvaSys Settings (“System Settings/EvaSys Settings/Functions/Data entry assistant/Verifier: View entire original questionnaire page”).

Hint:

The capturing of handwritten comments can be accelerated if the following key combinations in the browser are not already in use: Alt + S (to save), Alt + C (to cancel) and Alt + R (to replace).

If the data entry assistant has already entered answers to open questions, the system will only display those answers again that are relevant to the question currently being displayed. For this reason, not all of the answers already entered are displayed.

To avoid having to type often recurring words such as for example course or lab course, you can create a list of placeholders and extend it as needed. A placeholder may not be contained completely by the replacement text, or represent an entire word. Example: Course may not be abbreviated to C, but may be abbreviated to CS. We recommend using special characters as a prefix for placeholders, for example *CS.



Edit Placeholder

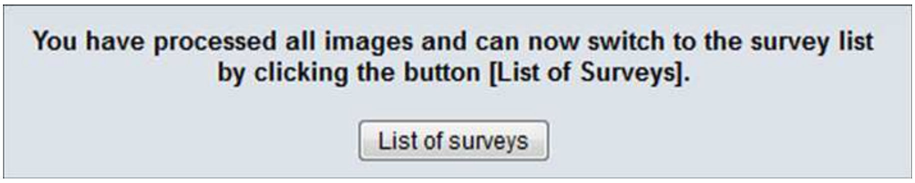
It is better to use placeholders with special characters as a prefix (e.g. *CS) as individual letters or letter combinations can also be found in other words, and can lead to erroneous replacement.

Placeholder	Replace by...
*ORG	Organization
*CO	Course

Figure 251: Data Entry Assistant: Placeholder

If a statement that has already been classified is entered along with a new statement, then the existing statement can be marked with a checkmark and only the new statement need be entered. Both statements will be registered and counted.

After the last image has been entered, a corresponding note appears and, by clicking [Survey list], the data entry assistant can now change to the tracking information on the surveys that still need to be processed.



You have processed all images and can now switch to the survey list by clicking the button [List of Surveys].

Figure 252: Data Entry Assistant: Close a Survey

If desired, the data entry assistant can send the PDF report to the owner of the survey (usually the instructor) after the completion of the data entry with the button [Send PDF report]. For this, the corresponding function must be activated in the configuration (“System Settings/EvaSys Settings/Functions/Data Entry Assistant: Sending a report to the instructor”).

Any single survey, whose answers to open questions have already been entered by a data entry assistant is protected, and cannot be simultaneously edited by others. In this way, disruptions caused by the unseen concurrent editing of data are avoided.

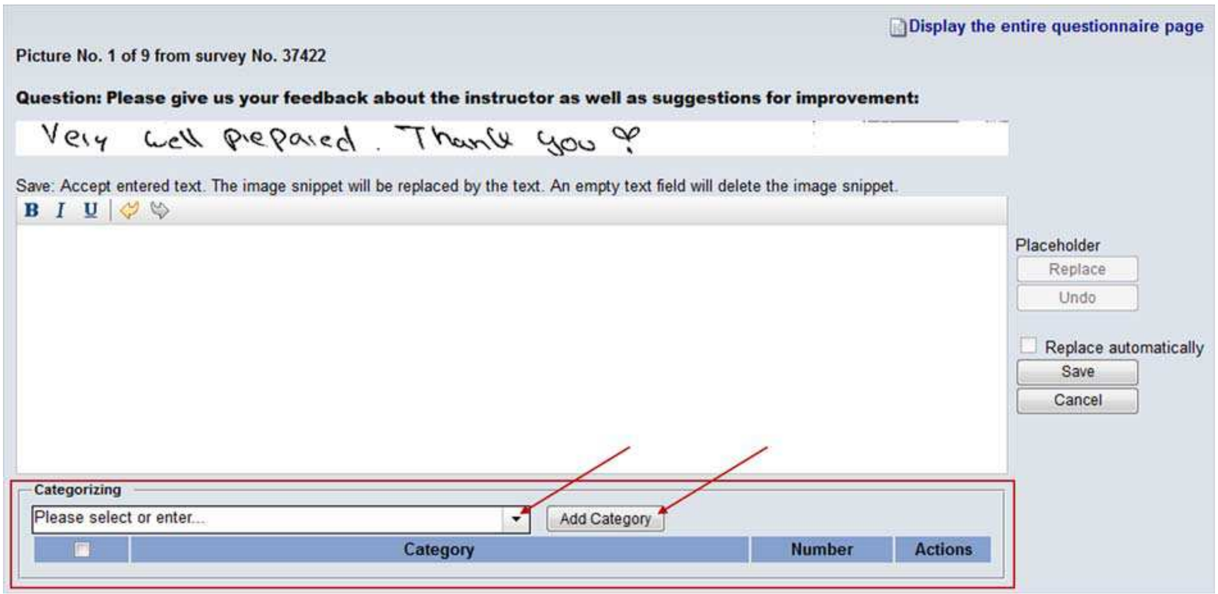
4.5. Categorization of open questions

If desired, the answers to open questions can be categorized by the administrator, the subunit administrator or the data entry assistant, i.e. a response to an open question can be attributed to one or more categories. The open question is thus flagged. In this way, such categorized open questions can be displayed analogue to closed questions in a bar chart for the different answer options. This feature is available for both paper and online surveys and can be used independently from data capturing.

The ability to categorize open questions is by default enabled for the administrator and subunit administrator, but for the Data Entry Assistant, it is initially disabled. Should the Data Entry Assistant also be able to categorize, the appropriate configuration settings must be made in “System Settings/EvaSys Settings/Functions/Data Entry Assistant: Categorizing the Answers”. If this function is not required for the administrator or subunit administrator, it can be completely deactivated under “System Settings/ EvaSys Settings/Functions/Categorizing the Answers to Open Questions.”

If the Data Entry Assistant is given the right to categorize, the editing view is expanded to include an additional area “Categorizing”. Now, each answer can be categorized into one or more categories by typing into the input field or - if categories have already been created for this survey - by selecting from the drop-down menu. After clicking on [Add Category], the category is included in the list.

As soon as all required categories have been stored, all changes are saved by clicking on [Save], and the next answer is displayed. Once all answers to open questions have been processed, the data is transmitted.



Picture No. 1 of 9 from survey No. 37422

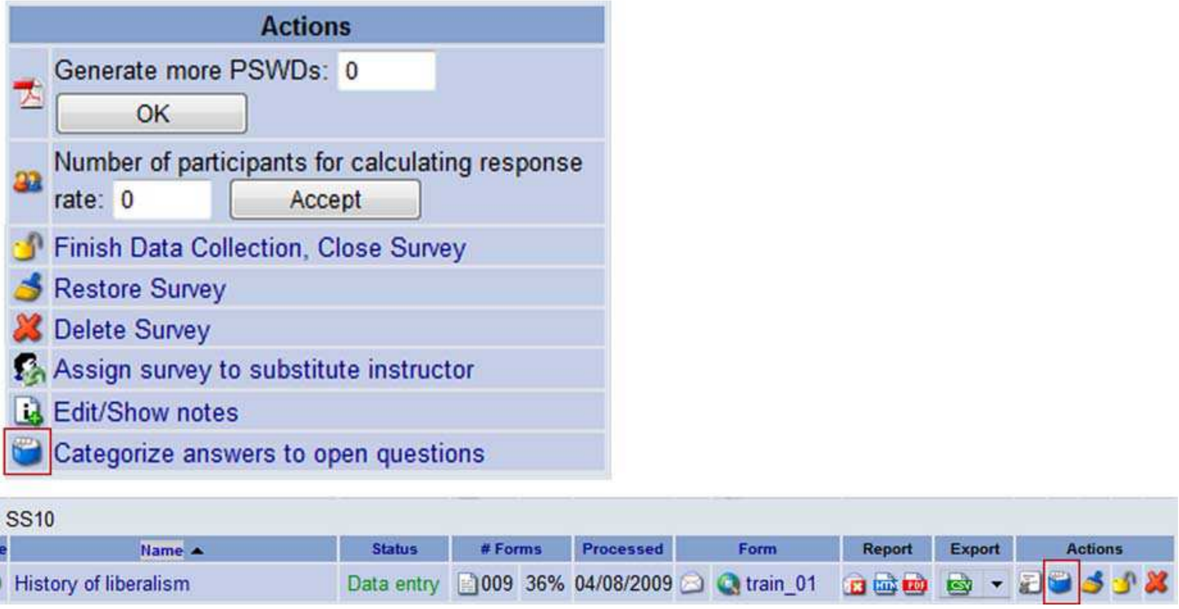
Question: Please give us your feedback about the instructor as well as suggestions for improvement:

Very well prepared. Thank you ♡

Save: Accept entered text. The image snippet will be replaced by the text. An empty text field will delete the image snippet.

Figure 253: Categorizing: Date Entry Assistant

Now the administrator or subunit administrator of this survey can view the responses to open questions as well as the categorization and, if necessary, edit them. Access is achieved either directly via the list of surveys by clicking the symbol for categorizing in the section “Actions”, or in the survey details. Here under “Actions”, the menu item “Categorize answers to open questions” is available.



Actions

Generate more PSWDs: 0

Number of participants for calculating response rate: 0
Accept
Finish Data Collection, Close Survey
Restore Survey
Delete Survey
Assign survey to substitute instructor
Edit/Show notes
Categorize answers to open questions

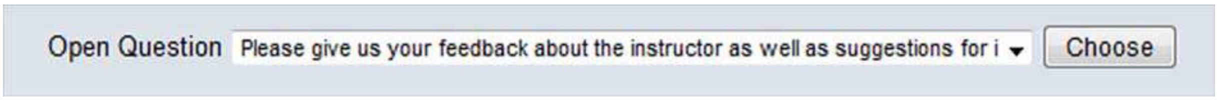
SS10

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	History of liberalism	Data entry	009 36%	04/08/2009	train_01			

Figure 254: Categorizing: Access via Survey Details or List of Surveys

An overview of the open questions on the sheet is opened. If the data entry and categorization for the survey has already been conducted, the captured texts and the associated categories are displayed. If no data collection has been conducted, only the image sections are displayed. The (subunit) administrator must now undertake the complete categorization by himself.

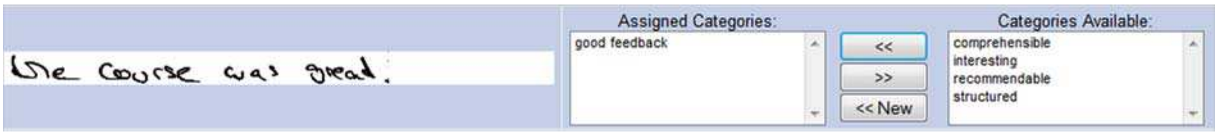
In the area “Question Selection” the question for which the categorization should be checked or conducted is selected from the drop down menu.



Open Question: Please give us your feedback about the instructor as well as suggestions for i

Figure 255: Categorization: Question Choice

Now, the individual answers to open question can be assigned categories, categories can be deleted or, by clicking on the button [<< New], new categories can be created. The right area displays the available categories, the left the assigned ones. By selecting a category and clicking on the arrow button, it can be moved from one area to the other.



The course was great.

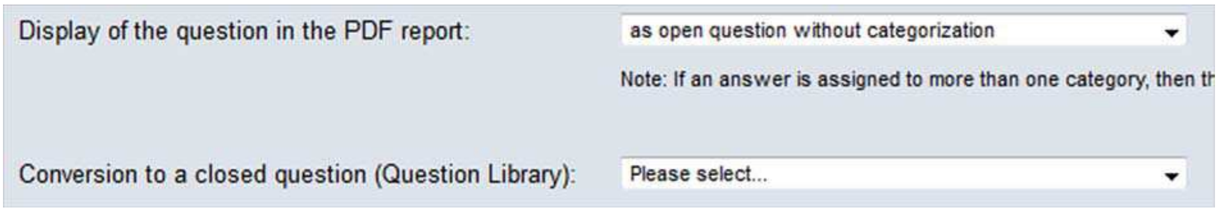
Assigned Categories:
good feedback

Categories Available:
comprehensible
interesting
recommendable
structured

Figure 256: Categorizing: Editing Categories

In order to make a newly created category also available for all further questions, click on the button [Save] underneath the answer list. After you have performed all categorizations, click on [Save] again to take on all the changes.

If all categorizations have been checked and stored, there are two other settings that can be made in the header of the overview: Firstly it can be decided as to how the question should be displayed in the PDF report: as an open question in a simple list or as a single choice or multiple choice question with bar charts (if an answer has been assigned to multiple categories, a single choice question in the report automatically becomes a multiple choice question; uncategorized questions are automatically assigned to the section “Uncategorized”). Secondly, the open question can be adopted in the question library as a single or multiple choice question. During this process, the categories are converted into response options.



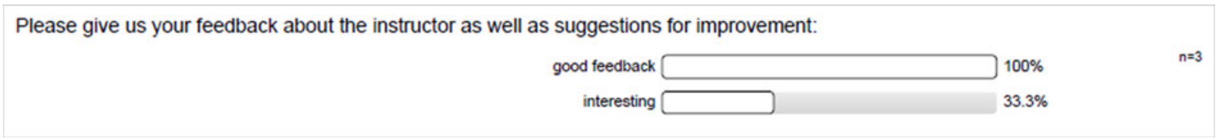
Display of the question in the PDF report: as open question without categorization

Note: If an answer is assigned to more than one category, then th

Conversion to a closed question (Question Library): Please select...

Figure 257: Categorizing: Evaluation and Question Library

If all categorization for all questions has been completed and checked, the PDF report with desired settings can be retrieved. As a multiple choice question the open question from the example above looks like this:



Please give us your feedback about the instructor as well as suggestions for improvement:

Figure 258: Categorizing: Open Questions as Multiple Choice Question in the PDF Report

4.6. Instant Feedback: The PDF Report

After scanning the questionnaires (during which you may have verified unclear fields and entered open questions) you can immediately view the evaluation results.

As soon as there is data available from at least one questionnaire there are two types of reports available: the HTML and the PDF report.

The reports give you an overview of your survey’s results by means of different elements. For feedback on the evaluation results, a PDF report is usually sent by email to the relevant people. In EvaSys you can also automate this dispatch. You can of course, as with any PDF file, save the report in your file system and send it yourself through your email account. (Saving the PDF report in your system, however, this entails that upon scanning of further data the PDF report in EvaSys and your saved version will differ. Because only the report in EvaSys will be automatically updated.)

It is important to remember that reports are never stored in the system. As soon as you click on the respective buttons, EvaSys creates the report based on the current available raw data. This means that you can scan new data in at any time and the reports are modified accordingly. If you wish to avoid the scanning of further data and so modifying the PDF report, its best to simply close the survey.

Hint:

If you wish to get an impression of a specific type of report, (for example whilst creating particular types of reports) it suffices to create an online survey, fill in a questionnaire and send it. With this data alone, reports can be created.

The predefined **EvaSys PDF Report** can be adapted with configuration settings to customize the report. This applies to the components of the report, which can be enabled or disabled as well as the presentation. The configuration of the PDF reports can only be done by the administrator. Subunit administrators can copy the **EvaSys PDF Report** (“System Settings/Report Settings”) and adapt it for their own subunit. For more information see chapter B 4.6.3. „General Configuration“.

With **PDF Report Definitions**, reports can be restricted, sub-groups created, and other recipients determined. For more information see chapter B 4.6.5. „PDF Report Definitions“.

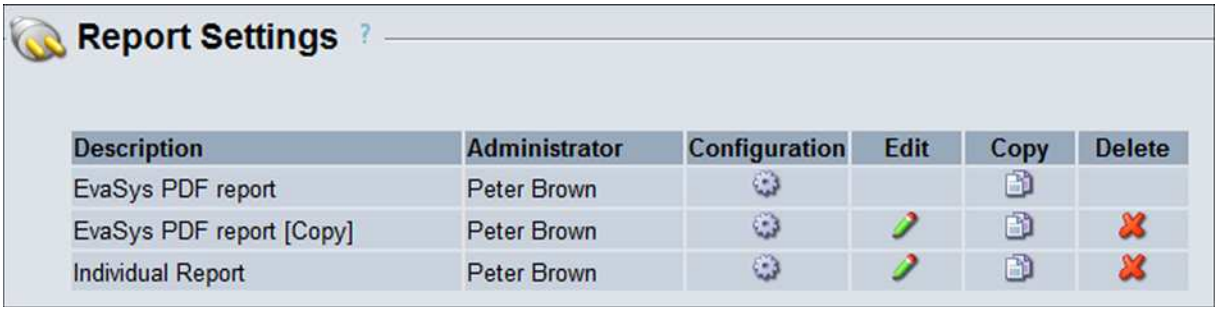
In addition, with **PDF Report Plugins** it is possible to realize fully customized reports. For more information see chapter B 4.6.6. „Individually Designed Reports: PDF Report Plugins“.

Furthermore, the PDF Report can be influenced by questionnaire-specific settings (chapter B 5. "Phase 4: Advanced Reporting").

Before contemplating the various configuration options and settings, it is useful to consider the **Report Settings** in more detail.

4.6.1. Report Settings

Further more you can edit, copy and delete the existing PDF reports in the menu “System Settings/Report Settings”. Please note, with regard to the standard default PDF report (“EvaSys PDF Report”) present in the system, you are only able to change the configuration. This PDF report can neither be edited nor deleted. You can copy this PDF report so as to create a new PDF report.



Description	Administrator	Configuration	Edit	Copy	Delete
EvaSys PDF report	Peter Brown	⚙		⧉	
EvaSys PDF report [Copy]	Peter Brown	⚙	✎	⧉	✗
Individual Report	Peter Brown	⚙	✎	⧉	✗

Figure 259: Report Settings

To copy a PDF report, click in the column “Copy” on the copy icon. A new PDF report is created. You can recognize the copy of the PDF report by the name extension [Copy]. To edit a PDF report, click in the column “Edit” on the edit icon. A window automatically opens, in which, in the area “Description”, you can enter a new name for the PDF report. In the area “Questionnaires”, you can allocate for which questionnaires the PDF report is to be valid. A multiple selection can be made by pressing the [Ctrl] button. In the details of each questionnaire you define the PDF report with which the corresponding questionnaire will be displayed later (also see the following paragraphs).

Save your changes by clicking the [OK] button. Clicking the [Cancel] button closes the window without saving any changes. You can delete the respective PDF report by clicking on the red cross in the “delete” column.

Hint:
By copying the EvaSys PDF Report, new report templates with individual settings can be created.

4.6.2. Components of the PDF Report

Reports created by the administrator are available system-wide. If a subunit administrator creates a PDF report, this can only be used in the subunit.

So as to give you an overview of the elements that you can integrate into this report we will describe them here, in the order in which they (can) appear in the report. The report can contain the following components:

- the letter to the instructor
- bar diagrams on the indicators of the questionnaire, these, if desired, with an overall indicator and/or Cronbach’s Alpha
- a legend for the analysis of scaled questions
- the individual analysis of the questions appearing on the questionnaire (with or without open questions, depending on the settings)
- maxi-histograms on scaled questions
- cross tabulations
- a profile line (that also can be displayed as a normed profile line – provided that a norm has been defined)
- a presentation template containing the indicators
- responses to open questions (handwritten or typed – the latter if it is an online survey or if the data entry assistant was used)
- notes of a survey (You can display the added notes of the different user types in the PDF report. See here chapter B 3.4. "Survey Details" –editing/displaying notes).

Since the report is crucial to your evaluation, here you will find a detailed description of how to (de)activate the components.

4.6.3. General Configuration

The PDF report settings in the menu “System Settings/Report Settings” have to be configured for each PDF report. In the details of the questionnaires you can define a default PDF report for each questionnaire. Thus you can configure an individual PDF report for each questionnaire.

- Generate letter

  Creates a letter for the PDF report. The letter contains the senders address (defined in the section “sender part 1”) as well as the logo of the system (taken from the setting in the organization profile), and a predefined text which is personalized using placeholders. This text is deposited in “Text Templates”.

- Calculate indicators

  If the questionnaire supports the calculation of indicators these can be displayed at the beginning of the report. There is a general average value, which summarizes the general values again to an indicator (the latter can be activated at “hide overall indicator”. This function should only be used with questionnaires which have been developed for the averaging of individual questions in a category.

- Show norm values

  If there are norm values then both indicators and the profile line in the PDF report will be normed.

- Analysis of single questions

  Activates the detailed analysis of single questions (main part of the PDF report).

- Create maxi-histogram

  After the detailed analysis part of a PDF report, large histograms of scaled questions can be created using this function. The bar for the response distribution, the question text, the pole identifiers, the average, the standard deviation and the total response percentages will appear as well.

- Create profile line

  Activates the display of the profile line in the PDF report.

- Show normed profile line

  When normed data exists for the questionnaire a normed profile line will be shown in the PDF report.

- Create Profile Line for indicators

  Activates the display of the profile line for indicators in the PDF report.

- Create Cross Tabulation

  Activates the display of cross tabulations in the PDF report. The cross tabulations are defined in the details of a questionnaire (“Advanced Settings/Cross Tabulations”).

- Create presentation template

  Once the indicators for a questionnaire have been defined they can be displayed together with a short descriptive text at the end of a PDF report as a presentation template. The presentation slide can serve as a discussion aid to discuss the results with the course participants.

- Show notes in the PDF Report

  This option activates the display of survey notes in the PDF report. For example, the notes of a survey of the Instructor, the dean or the administrator are displayed in the PDF report.

- Left/ Right/ Top/ Bottom margin

  Left/ Right/ Top/ Bottom margin for all pages on the PDF report

- Font size question texts

  Font size of texts in the PDF reports.

- Font size pole texts

  Font size of pole texts in PDF reports.

- Font size for numerical data

  Font size for average (av), standard deviation (s) and frequency (n) in the PDF report.

- Font size for presentation slides

  Font size of texts in PDF reports/presentation slides

- Show internal question number

  Shows the internal question numbers.

- Relative values

  The PDF reports show the distribution of the responses to closed questions with relative values (activated) or absolute values (deactivated). This setting is not valid for displaying scaled questions with small histograms. For this, a separate configuration entry can be made.

- Absolute and Relative Values for Scaled Questions

  Defines the display of relative and absolute values for scaled questions. This setting only affects the presentation of scaled questions with small histograms.

  1 = Only absolute values

  2 = Only relative values of

  3 = Absolute and relative values

- Minimum percentage for display (%)

  Defines the minimum percentage response frequency to a question in relation to the total number of returns needed in order to display the question in the HTML/ PDF report. For example: with 50 returns the value is set at 20%. As a result only analyses of questions that have been answered by at least 10 persons will be shown. If the value is set to “0”, all questions of the reports will be displayed. Please also consider the setting “Show notice for suppressed report”.

- Minimum response frequency for display (absolute)

  Defines the minimum absolute response frequency to a question required in order to display the question in the PDF report. Please also consider the setting “Show notice for suppressed report”.

- Procedure to calculate the mean value

  The procedures to compute the mean value for the PDF report are defined here.
  1 - standard procedure
  2 - trimmed mean

- Decimal point precision average/standard deviation

  Number of digits after the decimal point for averages and standard deviation.

- Sender part 1, 2 and 3

  Organization name (part1), mail address (part2) and footer (part3, below the mail address)

- Sender above recipient address

  Sender name on cover letter in PDF report

- Background color report heading

  Color setting in order to adjust logo background color

- Color progression in the report header

  If this function is activated, then the background color in the header of the report starts at the set background color and lightens gradually towards the top of the page. If this function is deactivated, then the background color remains consistent.

- Bar Color for Small Histograms

  Defines the color of the bars in small histograms for scaled questions.

- Alignment of subunit logo

  Defines whether the subunit logo will be at the left or right in the PDF report.

- Hide overall indicator

  If this option is activated the overall indicator will not be displayed.

- Left pole for indicators

  Text for the left pole of the indicators. Default value of the left pole is “-“. The pole is also displayed in the presentation template.

- Right pole for indicators

  Text for the right pole of the indicators. Default value of the right pole is “+“. The pole is also displayed in the presentation template.

- Display Cronbach's Alpha

  Activates/deactivates the computation of Cronbach's Alpha (internal consistency) for indicators. Please note that “Calculate indicators” must be activated!

- Show legend

  Display legend in PDF report.

- Values legend

  Values given in the legend. The number of values must match the scale divisions.

- Divisions legend

  Scale divisions of the legend

- Show bar diagram with histogram

  Advanced results bar for scaled questions. When bar diagram is activated, the mini-histogram should be deactivated.

- Separate closed/open questions

  When activated the results for open and closed questions in the PDF reports are displayed separately. This results in better readability particularly of those reports created with a mix of open and closed questions.

- Show text boxes

  If activated the text fields of VividForms forms will be shown in the PDF-Report.

- Show quality indices (traffic light view)

  When activated, the quality indices of the items will be shown as a traffic light symbol in the PDF report. Please note that indices will only be shown for items used in quality guidelines.

- Show standard deviation as number

  Activates the display of the standard deviation.

- Show average/median

  You can display the following values in the PDF report:
  1: Average value
  2: Median
  3: Average value and median

- Show quantile

  You can display the following quintiles in the PDF report:
  1: No quantile
  2: 10% quantile levels (Decile)
  3: 25% quantile levels (Quartile)

- Show standard deviation in graph

  Show the standard deviation in the graph of scalar questions.

- Show scale divisions for bar diagrams

  Activates the display of the export values for response options as scale under the graphic report bar.

- Show notice for suppressed report

  Activates the display of a notice instead of the question summary when the minimum response is not reached. The content of the text can be changed in the text templates (Action “PDF Report: Text for too little response”). If deactivated; the respective question does not appear in the report.

- Bar Mean Value

  Line thickness for mean value.

- Bar standard deviation (Bar Std.-Dev.)

  Line thickness for standard deviation.

- Show recommendation text

  When activated, a link for generating a recommendation document will be placed after the detailed norm profile line.

- Mode of calculation for norming

  1 - Mean value of the dimension = Mean values of all datasets
  2 - Mean value of the dimension = Mean value of the mean values of the data sets
  Please note: In this case in each dataset the number of answers for each item must be at least as high as a defined minimum value (see also Configuration of Norming).

  You can choose between two ways of calculating the mean value here.

  When choosing the first one, the raw data of all given answers to the questions is taken into account for calculating the mean value.

  When choosing the second one, the mean value is calculated from the already computed mean values for the questions (those in turn have been calculated from all the answers of the interviewees).

- Minimum percentage of given answers to enable norming

  Percentage of answers, which must have been given for the norming. If less answers than this percentage have been given, the norming for the dimension cannot be conducted.

  Attention: The setting is only taken into consideration when the “Mode of calculation for norming” is set to (1).

- Pole reversal of scales when taking norms

  If activated, the poles of those dimensions/items are reversed, in which small values are judged as positive and large values as negative.

  This option is decisive if you use different alignments of scales in your questionnaires. That means that positive evaluation results are on the left side of the scale for some questions (i.e. smaller values are positive), but for some questions you can find positive results on the right side of the scale (i.e. bigger values are positive). If you do not activate the option “Pole reversal of scales when taking norms” you have to take those differences into account when interpreting the norm profile line.

When activating the option the norm profile line is standardized and thus can be interpreted more easily. If smaller values are positive (i.e. left of the norm), those values are reversed. Furthermore the reversed values are used for the calculation of the mean values. Thus all the amplitudes on the right hand of the norm can be interpreted to be positive. Accordingly, values on the left side are negative.

Those questions where the center is the best value, are an exception to the explained rules (e.g. with the question “Was the number of presentations adequate?” and the answers “too few – just perfect – too many”).

- Permit listing of open questions

  Listing and counting of individual comments in the report. If this option is activated, repeated entries to open comments, which have been marked as such during data entry, are displayed in a summarized form, e.g. “The course was well organized (2 Counts)”.

- Dual scale profile line

  When activated critical values of dual scale questions are highlighted by means of a color gradient.

  0 = deactivated
  1 = critical values on the left side of the scale
  2 = critical values on the right side of the scale

- Profile line: Display question groups

  If this function is activated the question groups are displayed in the profile line.

- Page Break before Responses to each Open Question

  If activated, and, at the same time, open questions appear at the end of the report (option: separate closed/open questions), a page break is inserted into the report before the answers to each open question. In this way, clarity is enhanced, particularly when there are many answers to open questions.

- Profile line: Show median

  Activates the display of median instead of mean value in the profile line.

- Profile line: Show numeric values

  Activates the display of the numeric values of median, mean, standard deviation and number of responses for the corresponding profile lines.

- PDF/A- Conformity

  If activated, the PDF report supports the standard PDF/A-1b. Please note, that when using your own PDF templates, the PDF report is no longer PDF/A-1b compatible. This applies to reports whose cover letters are modified with your own PDF templates (under “Settings/Documents” and “Settings/Text Templates”).

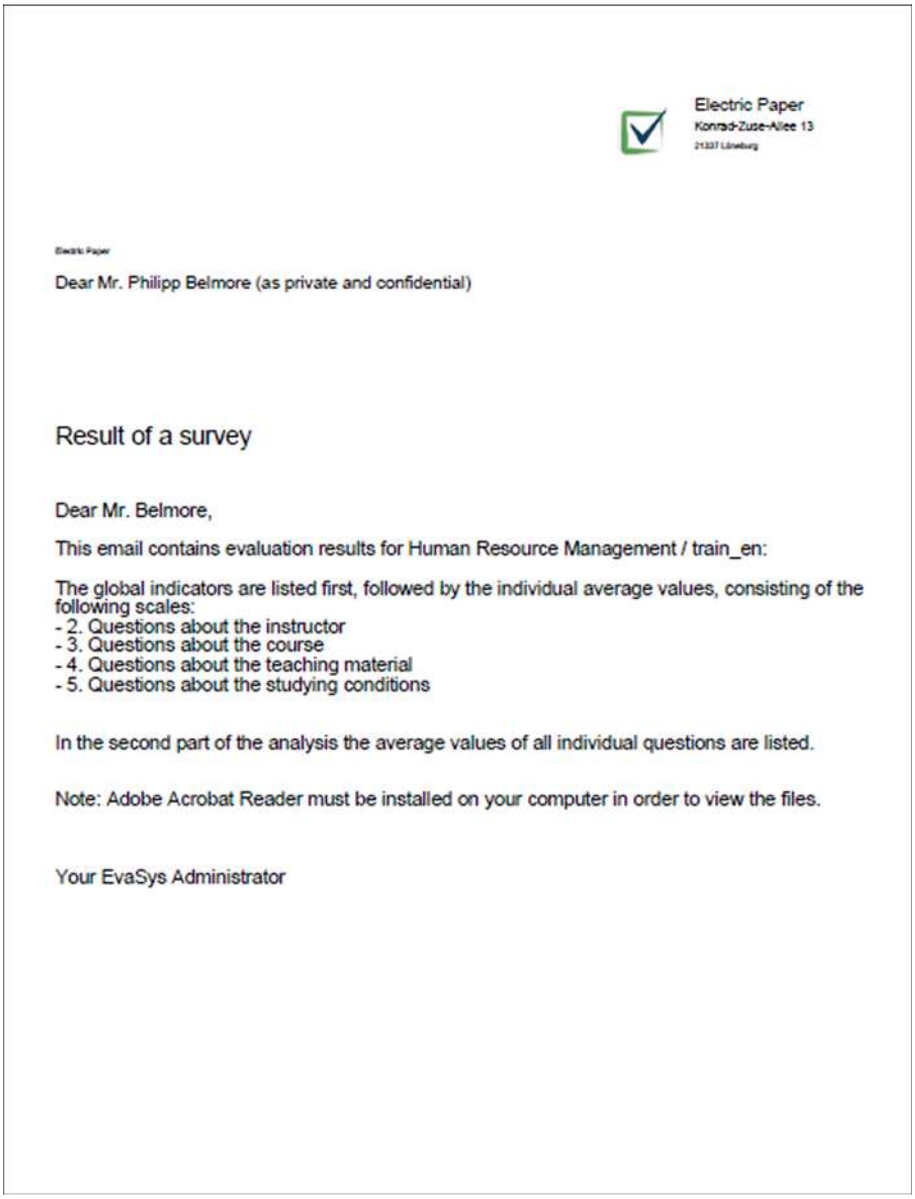
4.6.4. Specific Elements of the PDF Report

The Letter

The letter is a regular type of letter and serves as courteous piece of information for the instructor on the subsequent results of the PDF report.

If you wish to add a letter to the evaluation results, the option “Generate letter” has to be activated in the settings of the corresponding PDF report (“System Settings/Report Settings”).

The following figure shows a sample letter:



Electric Paper
Konrad-Zuse-Allee 13
21337 Lüneburg

Electric Paper

Dear Mr. Philipp Belmore (as private and confidential)

Result of a survey

Dear Mr. Belmore,

This email contains evaluation results for Human Resource Management / train_en:

The global indicators are listed first, followed by the individual average values, consisting of the following scales:
- 2. Questions about the instructor
- 3. Questions about the course
- 4. Questions about the teaching material
- 5. Questions about the studying conditions

In the second part of the analysis the average values of all individual questions are listed.

Note: Adobe Acrobat Reader must be installed on your computer in order to view the files.

Your EvaSys Administrator

Figure 260: PDF Letter: Sample

The letter consists of various components:

- the header with the address details of the sender and of the recipient
- the actual text of the letter (including a subject line and con-tinuous text)
- the letter's layout (for example with the letter head of your corporate design)

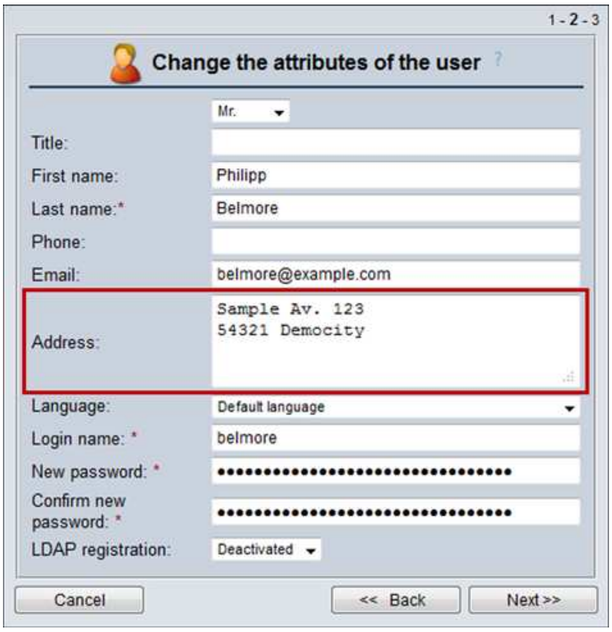
The Header of the Letter

The address details in the header (sender and recipient) are defined at two different locations in EvaSys:

- Recipient's address:

  The first two lines specified in the user data of the respective instructor are used as the recipient's address.

  In the following example, EvaSys takes the address of Donna Harwood and inserts it below the user name:

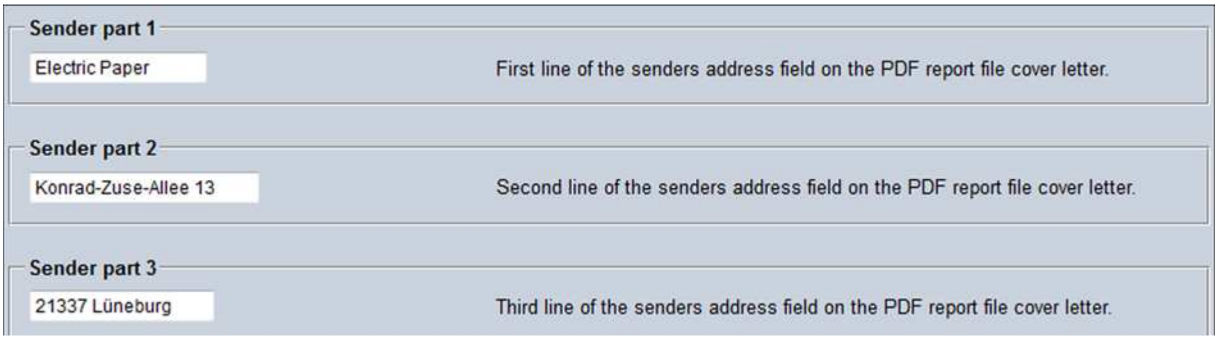


Mr.
Title:
First name: Philipp
Last name:* Belmore
Phone:
Email: belmore@example.com
Address: Sample Av. 123
54321 Democity
Language: Default language
Login name: * belmore
New password: * ••••••••••••••••••••••••••••••••
Confirm new password: * ••••••••••••••••••••••••••••••••
LDAP registration: Deactivated

Figure 261: PDF Letter: Specification of the Recipient's Address

- Sender's address:

  The sender's address (in the figure shown at the letter's top right) is specified by you in the configuration of each corresponding PDF report ("System Settings/ Report Settings/Configuration"). You will find the options "Sender part 1" up to "Sender part 3". Here you can insert the university's name, your company, street and city (or whatever else you may require):



Sender part 1
Electric Paper
First line of the senders address field on the PDF report file cover letter.

Sender part 2
Konrad-Zuse-Allee 13
Second line of the senders address field on the PDF report file cover letter.

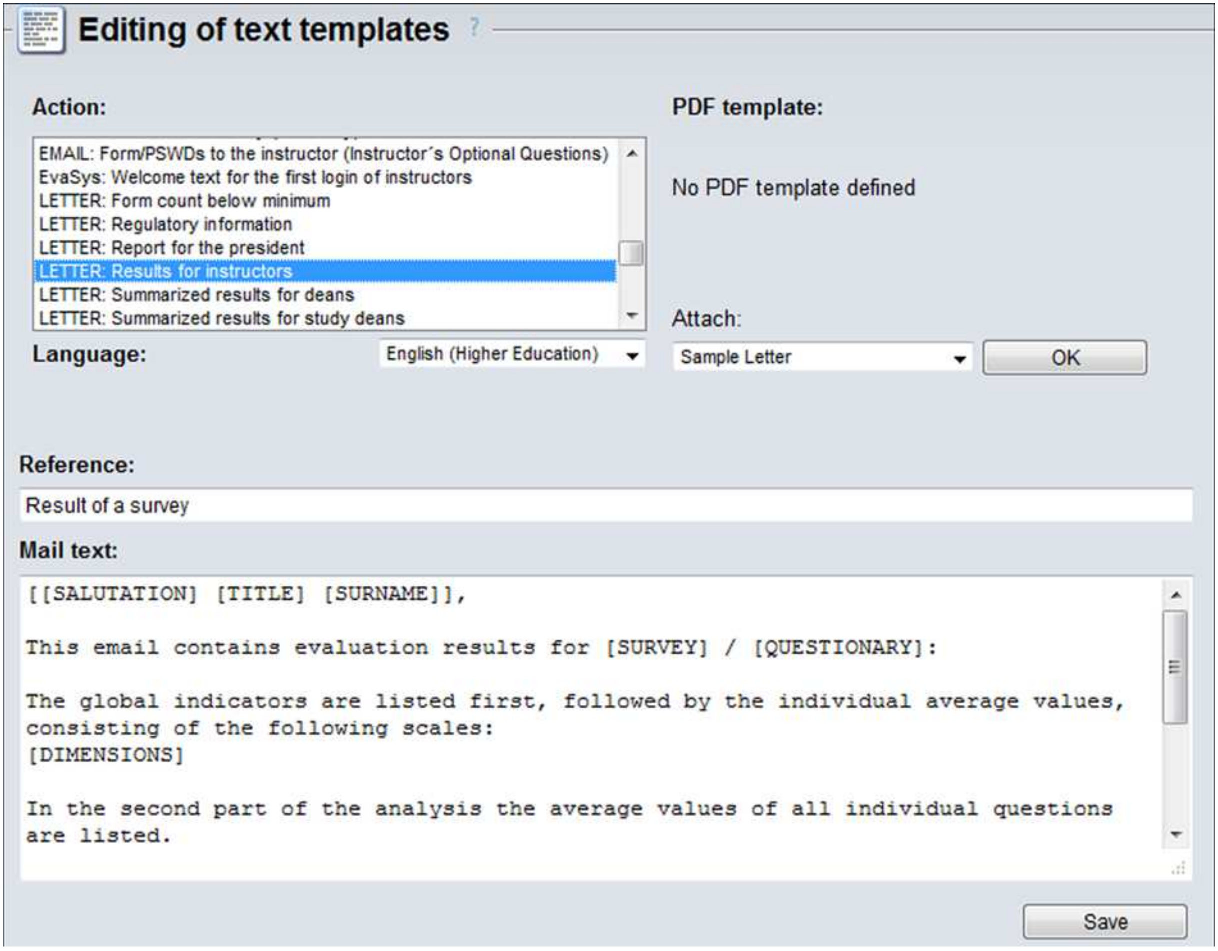
Sender part 3
21337 Lüneburg
Third line of the senders address field on the PDF report file cover letter.

Figure 262: PDF Letter: Sender's Address on the Letter

The sender's details – to be found above the address field – are specified by you right below it ("Sender above recipient address").

The Text in the Letter

You can edit the text in the letter under the option "Text templates" (in the main menu "System Settings"). When changing to this page a window appears offering numerous text templates for you to choose from. These can be customized according to your needs. One of those is the one used in the letter ("Letter: Results for instructors"):



Editing of text templates

Action:

- EMAIL: Form/PSWDs to the instructor (Instructor´s Optional Questions)
- EvaSys: Welcome text for the first login of instructors
- LETTER: Form count below minimum
- LETTER: Regulatory information
- LETTER: Report for the president
- LETTER: Results for instructors
- LETTER: Summarized results for deans
- LETTER: Summarized results for study deans

Language: English (Higher Education)

PDF template: No PDF template defined

Attach: Sample Letter

Reference: Result of a survey

Mail text:

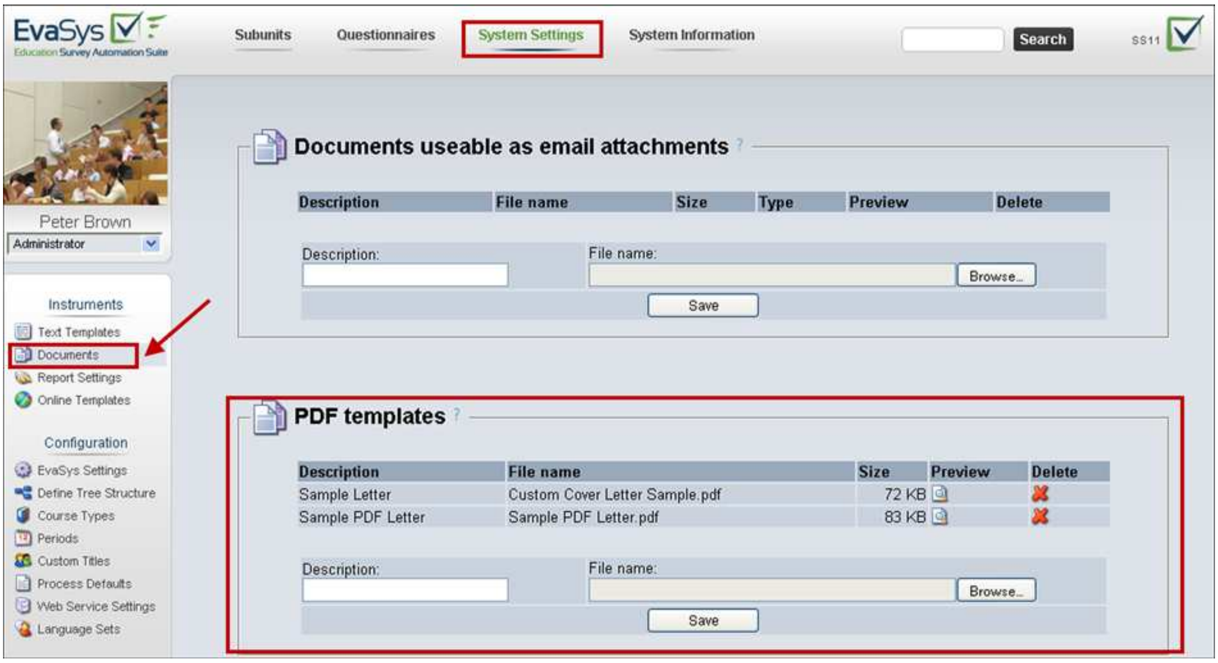
```
[[SALUTATION] [TITLE] [SURNAME]],

This email contains evaluation results for [SURVEY] / [QUESTIONARY]:

The global indicators are listed first, followed by the individual average values,
consisting of the following scales:
[DIMENSIONS]

In the second part of the analysis the average values of all individual questions
are listed.
```

Figure 263: PDF Letter: Text Template "Letter PDF Report: Evaluation to Instructor"

When comparing the sample PDF letter with the text template in the figure above, you will notice that the texts are identical, apart from those areas written in capitals and set in angular brackets. This text template is automatically used as the text in the letter. The words that are written in capitals and marked through angular brackets serve as placeholders and will in the case of an actual letter be replaced by the respective values. [SALUTATION] is replaced by “Dear Ms”, “Dear Mr.” (or similar), “TITLE” is replaced by “Prof. Dr.”, “Dr.” (if existent), [SURNAME] e.g. by “Harwood”. A list of all available placeholders can be found in chapter D 2.1.6. "Placeholders for Text Templates and Questionnaires".

The Layout of the Letter

You design the letter using a PDF template which you can upload in “Documents” (in the main menu “System Settings”):


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Custom Titles
Process Defaults
Web Service Settings
Language Sets
Browse...
Save
Browse...
Save

Documents useable as email attachments

Description	File name	Size	Type	Preview	Delete

Description:
File name:

PDF templates

Description	File name	Size	Preview	Delete
Sample Letter	Custom Cover Letter Sample.pdf	72 KB	🗎	✗
Sample PDF Letter	Sample PDF Letter.pdf	83 KB	🗎	✗

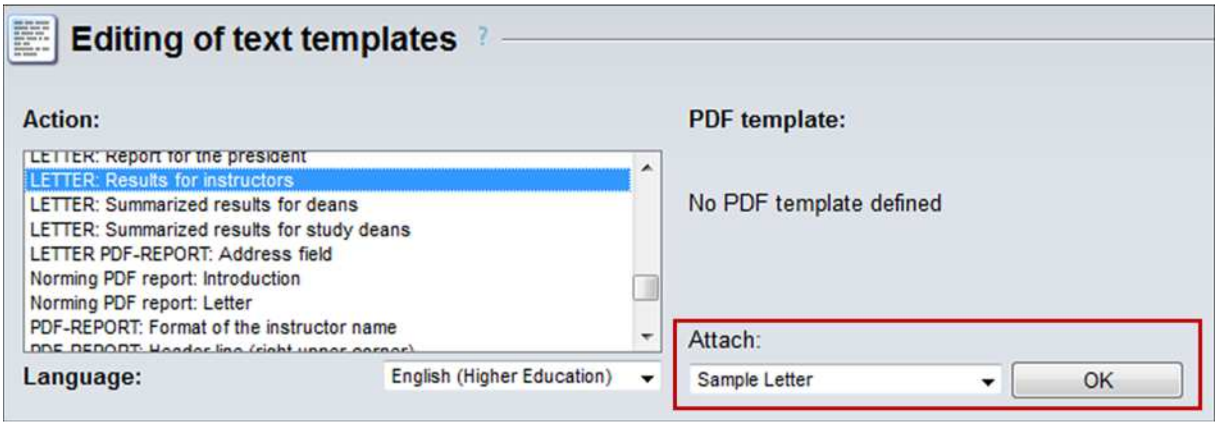
Description:
File name:

Figure 264: PDF Letter: Uploading Letter Template (for Designing the Layout)

You choose the template via the button [Browse]. In the field “Description” you can enter an appropriate name that will be displayed whilst you work in EvaSys with this letter.

These PDF templates have to adhere to particular design settings that you will find in chapter D 2.2.2. "PDF Templates".

Here for instance, you can, deposit your company’s letter head as a PDF template. After doing this, please remember to link this template with the text of the letter. To do this you return to the field “Text templates” where the text of the letter is defined. There you add your PDF template by selecting the respective letter on the right-hand side and then clicking on [OK]:



Editing of text templates

Action:

- LETTER: Report for the president
- LETTER: Results for instructors
- LETTER: Summarized results for deans
- LETTER: Summarized results for study deans
- LETTER PDF-REPORT: Address field
- Norming PDF report: Introduction
- Norming PDF report: Letter
- PDF-REPORT: Format of the instructor name

Language: English (Higher Education)

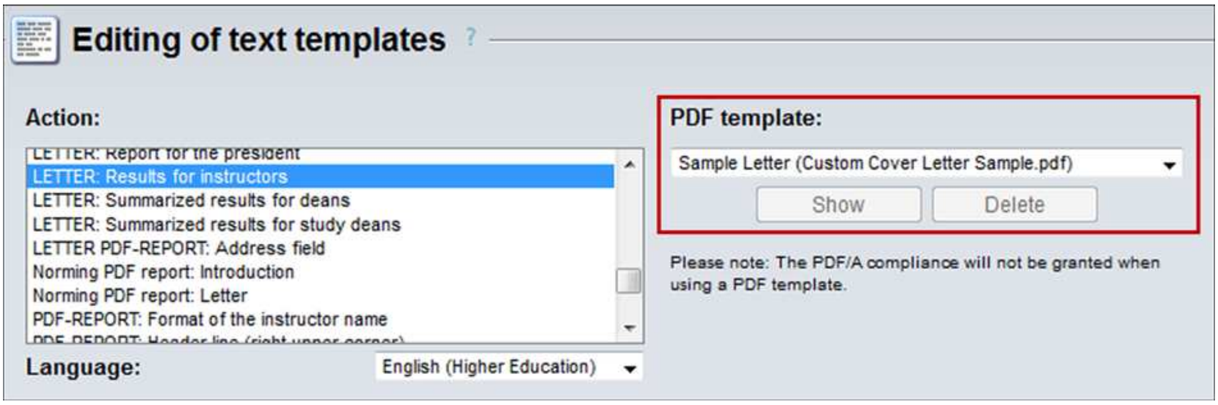
PDF template:

No PDF template defined

Attach: Sample Letter

Figure 265: PDF Letter: Selecting the PDF Template in the Field “Text templates“

The selected PDF template is then assigned to the letter text:



Editing of text templates

Action:

- LETTER: Report for the president
- LETTER: Results for instructors
- LETTER: Summarized results for deans
- LETTER: Summarized results for study deans
- LETTER PDF-REPORT: Address field
- Norming PDF report: Introduction
- Norming PDF report: Letter
- PDF-REPORT: Format of the instructor name

Language: English (Higher Education)

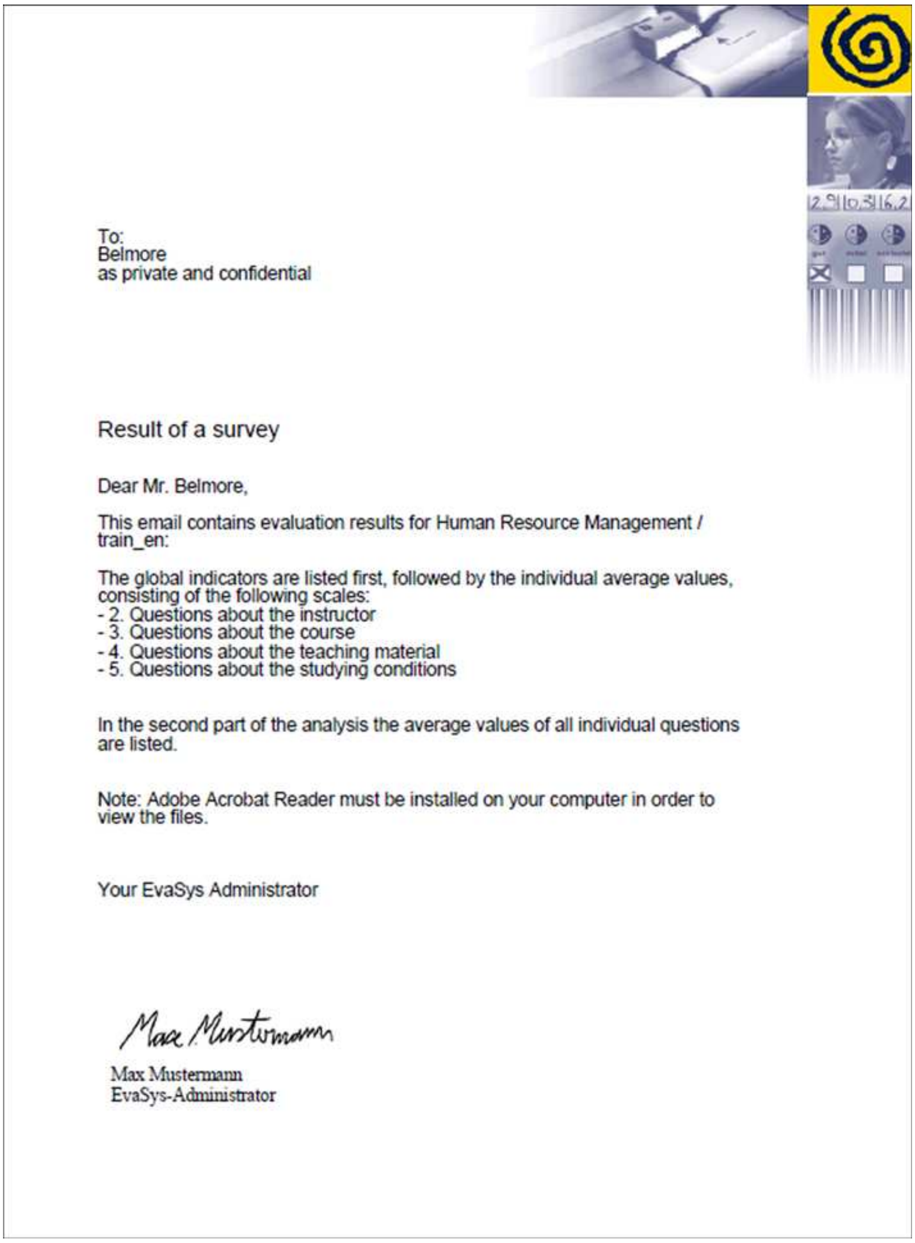
PDF template: Sample Letter (Custom Cover Letter Sample.pdf)

Please note: The PDF/A compliance will not be granted when using a PDF template.

Figure 266: PDF Letter: A letter Linked with a Text Template

This results in the defined text elements (continuous text, address) being placed over your desired layout. Instead of the standard letter you get a letter which contains the corresponding elements – text and layout.

As an example, you can see here the PDF letter to Mr. Belmore with the EvaSys sample template as layout:



To:
Belmore
as private and confidential

Result of a survey

Dear Mr. Belmore,

This email contains evaluation results for Human Resource Management / train_en:

The global indicators are listed first, followed by the individual average values, consisting of the following scales:
- 2. Questions about the instructor
- 3. Questions about the course
- 4. Questions about the teaching material
- 5. Questions about the studying conditions

In the second part of the analysis the average values of all individual questions are listed.

Note: Adobe Acrobat Reader must be installed on your computer in order to view the files.

Your EvaSys Administrator

Max Mustermann

Max Mustermann
EvaSys-Administrator

Figure 267: PDF Letter: Sample with a new Layout

If you do not wish to use this layout system-wide but only for surveys that are conducted with a certain questionnaire, you can also upload documents for a particular questionnaire.

To do this, you go to the details of the relevant questionnaire (via the menu “System Settings”, on the left-hand side of the menu “Questionnaires”. In the list that appears, you select a questionnaire and navigate by clicking on the name of the details of the questionnaire).

In the area “Advanced Settings” you see a drop-down list with several options to choose from:

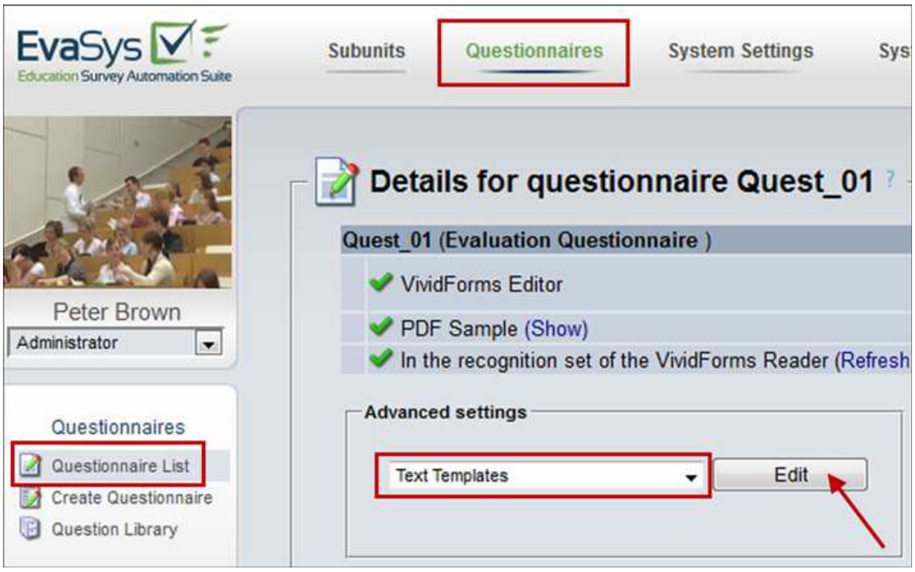

EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
Sys
Peter Brown
Administrator
Questionnaires
Questionnaire List
Create Questionnaire
Question Library
Details for questionnaire Quest_01
Quest_01 (Evaluation Questionnaire)
VividForms Editor
PDF Sample (Show)
In the recognition set of the VividForms Reader (Refresh
Advanced settings
Text Templates
Edit

Figure 268: PDF Letter: Modify Text Templates for a Specific Questionnaire (Questionnaire Details)

When the top option “Text Templates” is marked and you click on [Edit] the window for the “Text Templates” whose screen resembles the one for global text templates will open:

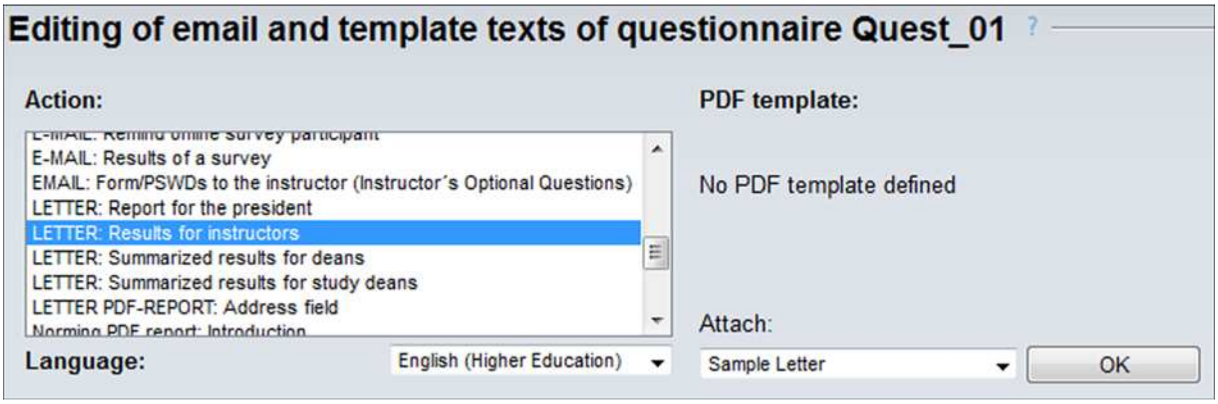

Editing of email and template texts of questionnaire Quest_01
Action:
E-MAIL: Remind online survey participant
E-MAIL: Results of a survey
EMAIL: Form/PSWDs to the instructor (Instructor's Optional Questions)
LETTER: Report for the president
LETTER: Results for instructors
LETTER: Summarized results for deans
LETTER: Summarized results for study deans
LETTER PDF-REPORT: Address field
Norming PDF report: Introduction
Language:
English (Higher Education)
PDF template:
No PDF template defined
Attach:
Sample Letter
OK

Figure 269: PDF Letter: Modifying Text Templates for a Specific Questionnaire (Template View)

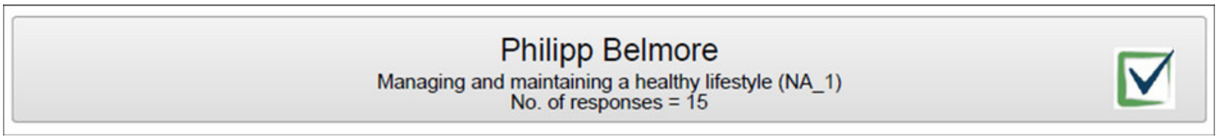
However, all templates that you upload here and all texts that you change here are only used for the reports that are associated with this questionnaire's survey. This way you can design the letter according to your particular requirements.

If you do not need an accompanying letter, you can switch it off. For this purpose just deactivate the option “Generate Letter” in the configuration of the corresponding PDF report (in the menu “System Settings/Report Settings/Configuration”).

PDF Report Header

The evaluation report is introduced by the header of the PDF report. The head contains some identification data on the current survey.

The contents of the PDF report header can be adapted individually under “System Settings/Text Templates/PDF-Report: Header”.



Philipp Belmore
Managing and maintaining a healthy lifestyle (NA_1)
No. of responses = 15

Figure 270: PDF Report – Report Header

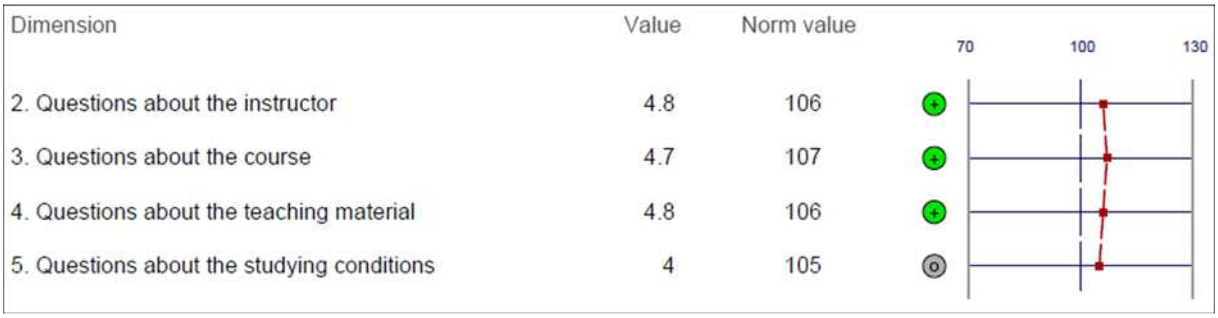
Indicators

If, in the questionnaire, which is the basis of the report, indicators were defined and the corresponding configuration settings are activated, a list of indicators is presented at the beginning of the questionnaire (for further explanation see chapter B 5.1. „Indicators “).

Norm Profile Lines

As an alternative to averaged indicators, you can show norm profile lines. In addition to the setting discussed above “calculate indicators” you must activate the option (“System Settings/Report Settings/Configuration/Show norm values”). You must also specify the norm values in the questionnaire administration.

If the alignment of the poles is different for different questions (i.e. positive answers are not always on the same side, negative not always on the other), you can despite this enforce a standardized display of the norm profile line. For this purpose activate the option “Pole reversal of scales when taking norms”. You can find this option in the system settings of the PDF report. If you activate it, the scales of those dimensions/ items where smaller values are considered as positive and bigger values as negative are reversed.



Dimension	Value	Norm value	
2. Questions about the instructor	4.8	106	+
3. Questions about the course	4.7	107	+
4. Questions about the teaching material	4.8	106	+
5. Questions about the studying conditions	4	105	o

Figure 271: PDF Report: Norm Profile Lines

Thus if smaller values (i.e. values left of the norm) are positive, the values are reversed. All amplitudes of the normed profile line on the right side of the norm can be interpreted as positive evaluation results. Accordingly the values left of the center are negative. Please note: The reversed values are also taken for the calculation of the mean values.

Detailed Report

Includes an analysis of all closed questions:

- Scaled questions with 2 to 11 options
- 1 of n – questions with any number of options

- m of n – questions with any number of options

with

- graphic display of histogram, arithmetic or trimmed mean (am/tm) and standard deviation
- numeric value of absolute or relative response frequency, arithmetic or trimmed mean (am/tm) and/or median with 10% or 25% quintile levels, s, n total
- If the quality guidelines have been defined and the traffic light symbol has been activated then next to the evaluation graphic you will see to the right a traffic light symbol.

The following figure shows you a detailed report with scaled questions.

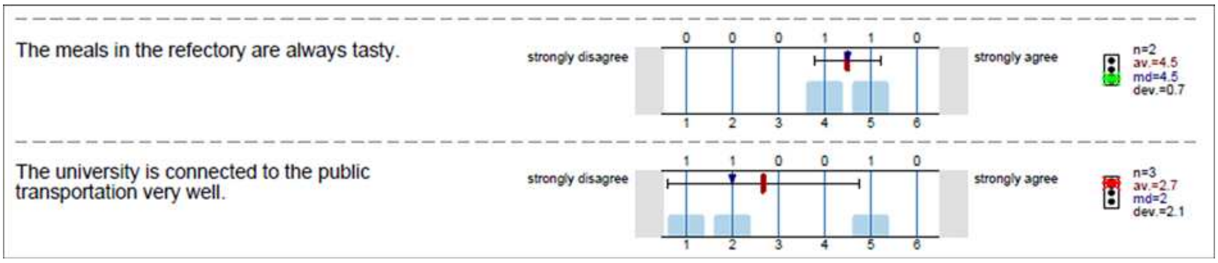
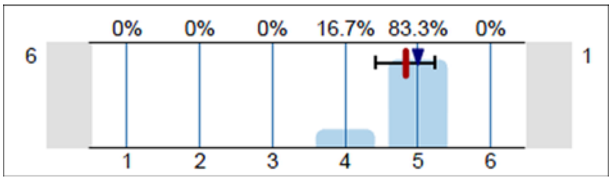


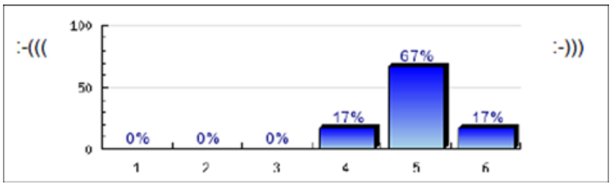
Figure 272: PDF Report: Detailed Report of the Scaled Questions

This is the main part of the PDF report which can be deactivated in the menu “System Settings/Report Settings/Configuration/Analysis of single questions”. It is possible to remove single questions from the report using the PDF report definitions. For scaled questions the following graphical representation styles can be selected in the Vivid-Forms Editor:

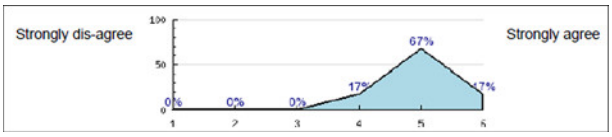
Standard Histogram:



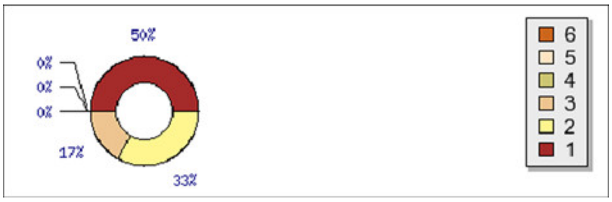
Bar Diagram:



Line Diagram:



Ring Diagram:



Pie Diagram:

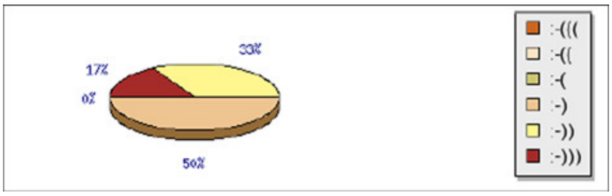


Figure 273: Diagram Types of Scaled Questions

Maxi-histograms

Maxi-histograms do not contain, except for their size, any differences in comparison with the description of the standard histograms. You can activate the creation of this part of the analysis at “System Settings/Report Settings/Configuration/Create maxi-histogram”.

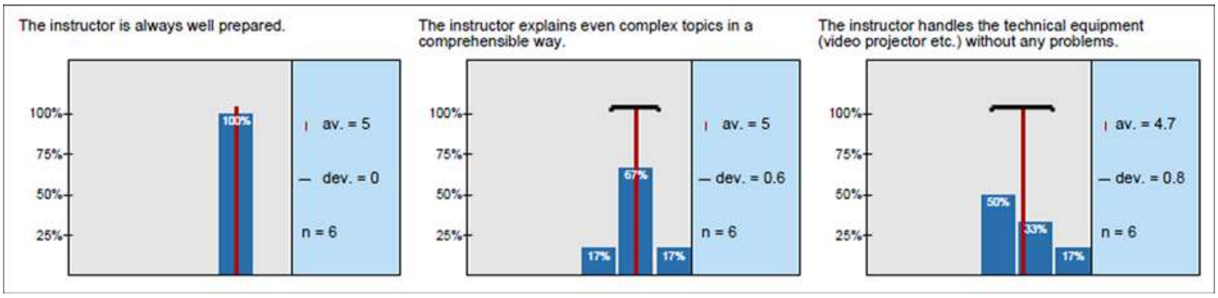
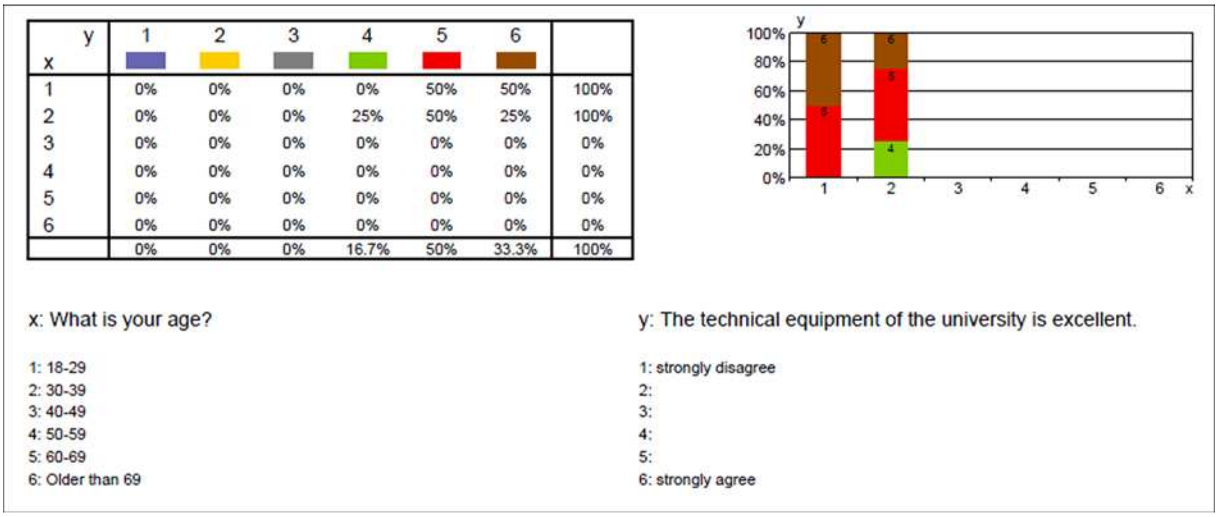


Figure 274: PDF Report: Maxi-histograms

Cross Tabulations

Scaled as well as single choice (1 of n) questions can be correlated and put into cross tabulations. The creation of cross tabulations can be activated in the Editor Control of a questionnaire under “Form Properties” “Filters, Validation, Cross Tabulations, Required Questions”.

In order to activate the creation of cross tabulations use the function “System Settings/ Report Settings/Configuration/Create cross tabulation”.



x \ y	1 🟪	2 🟨	3 ▨	4 🟩	5 🟥	6 🟫	
1	0%	0%	0%	0%	50%	50%	100%
2	0%	0%	0%	25%	50%	25%	100%
3	0%	0%	0%	0%	0%	0%	0%
4	0%	0%	0%	0%	0%	0%	0%
5	0%	0%	0%	0%	0%	0%	0%
6	0%	0%	0%	0%	0%	0%	0%
	0%	0%	0%	16.7%	50%	33.3%	100%

x: What is your age?

1: 18-29
2: 30-39
3: 40-49
4: 50-59
5: 60-69
6: Older than 69

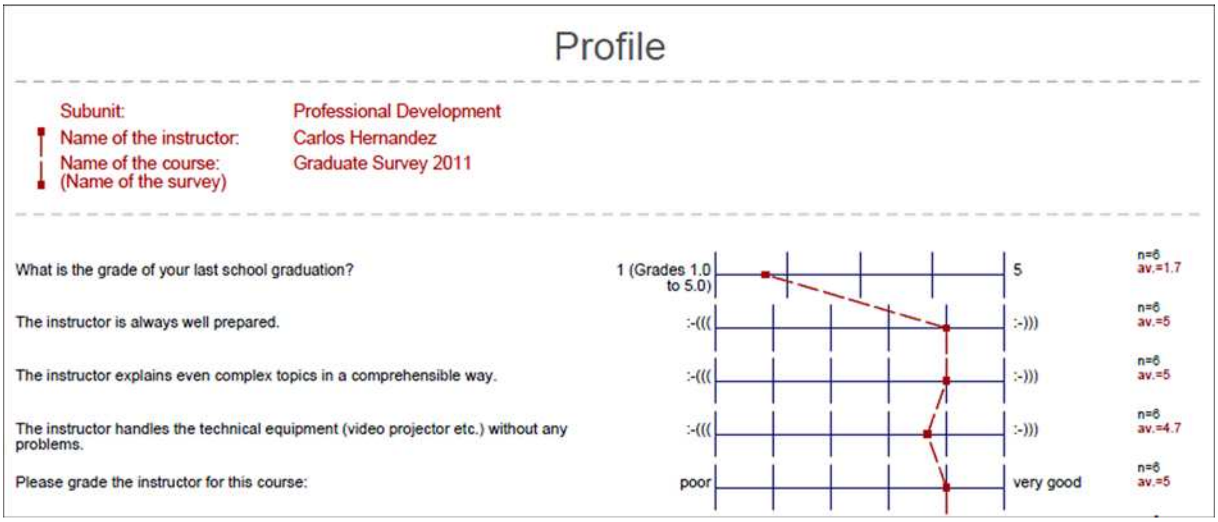
y: The technical equipment of the university is excellent.

1: strongly disagree
2:
3:
4:
5:
6: strongly agree

Figure 275: PDF Report: Cross Tabulations

Profile Line

The profile line is a dashed line along the averages of scaled questions. The average will also be displayed as a numerical value.



Profile

Subunit: Professional Development
Name of the instructor: Carlos Hernandez
Name of the course: (Name of the survey) Graduate Survey 2011

What is the grade of your last school graduation? 1 (Grades 1.0 to 5.0) – 5 n=6 av.=1.7

The instructor is always well prepared. :-(((– :-))) n=6 av.=5

The instructor explains even complex topics in a comprehensible way. :-(((– :-))) n=6 av.=5

The instructor handles the technical equipment (video projector etc.) without any problems. :-(((– :-))) n=6 av.=4.7

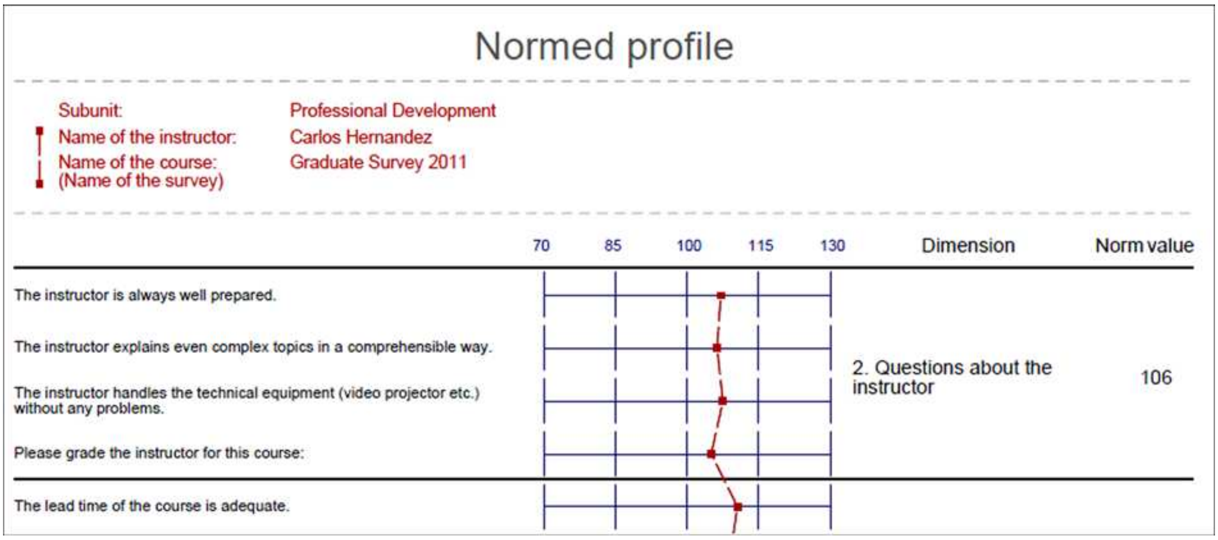
Please grade the instructor for this course: poor – very good n=6 av.=5

Figure 276: PDF Report: Profile Line

The following function must be activated in order to create a profile line “System Settings/Report Administration/EvaSys Settings/Create Profile Line.” You can choose to display the median instead of the arithmetic mean under “Profile Line: Show Median.” You can set the numerical value display for mean, median, standard deviation, and response rate per question under “Profile Line: Show numeric values.” If this option has been deactivated, then only the response rate and the value shown in the profile line (mean or median) are displayed.

If desired, the profile line can be divided corresponding to question groups and thereby can be displayed in separate sections. To do this, activate the option “System Settings/Report Settings/Profile line: Display question groups”.

Detail Norm Profile Line



Normed profile

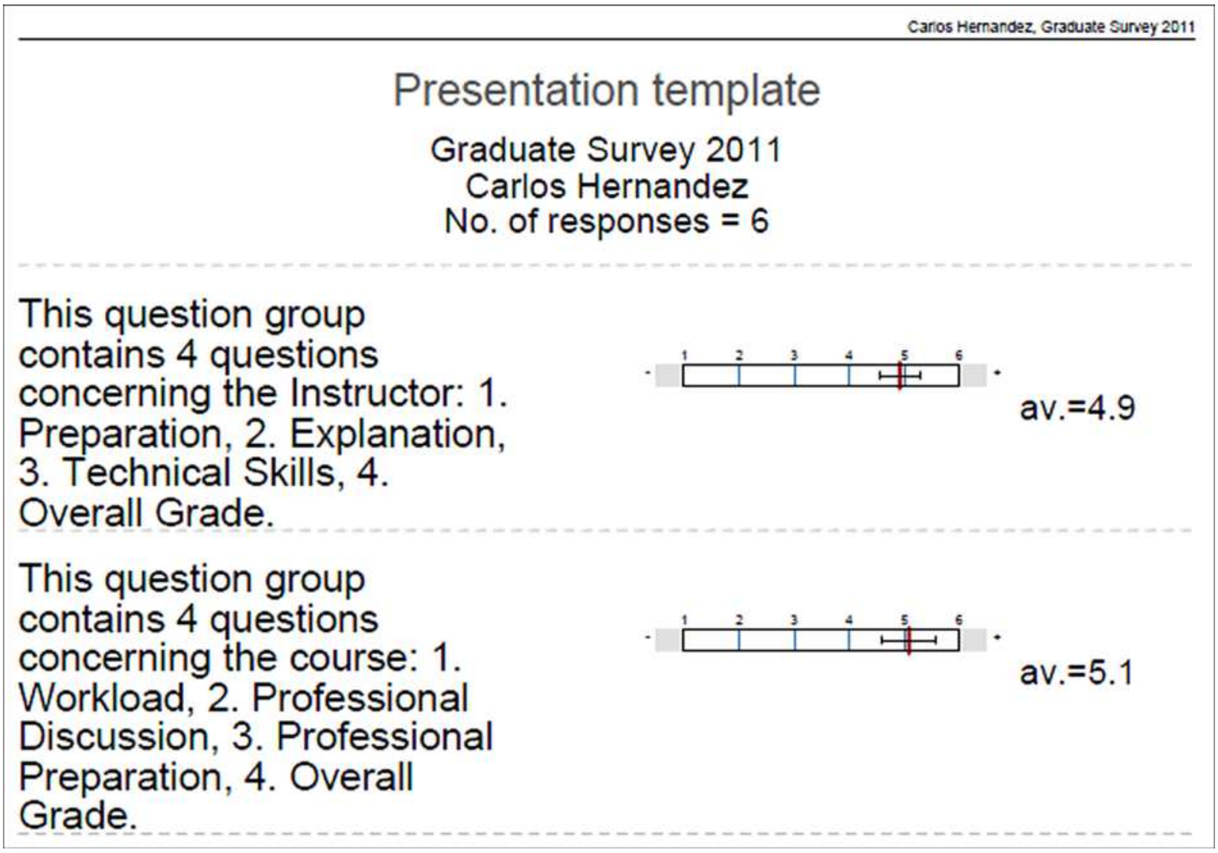
Subunit: Professional Development
Name of the instructor: Carlos Hernandez
Name of the course: (Name of the survey) Graduate Survey 2011

	Dimension	Norm value
The instructor is always well prepared.	2. Questions about the instructor	106
The instructor explains even complex topics in a comprehensible way.		
The instructor handles the technical equipment (video projector etc.) without any problems.		
Please grade the instructor for this course:		
The lead time of the course is adequate.		

Figure 277: PDF Report: Normed Profile Line

The detail profile line shows all of the norm values of the questionnaire. In addition to the option mentioned above “Create profile line” you must activate the option (“System Settings/Report Settings/Configuration/Show norm values). You must also specify the norm values in the questionnaire administration.

Presentation Template



Carlos Hernandez, Graduate Survey 2011

Presentation template

Graduate Survey 2011
Carlos Hernandez
No. of responses = 6

This question group contains 4 questions concerning the Instructor: 1. Preparation, 2. Explanation, 3. Technical Skills, 4. Overall Grade.

av.=4.9

This question group contains 4 questions concerning the course: 1. Workload, 2. Professional Discussion, 3. Professional Preparation, 4. Overall Grade.

av.=5.1

Figure 278: PDF Report: Presentation Template

This part serves to facilitate a discussion with the students/participants about the results of the survey. All indicators can be shown with an explanatory text.

This explanatory text has to be activated first. In order to activate the presentation template use the function “System Settings/Report Settings/Configuration/Create presentation template”.

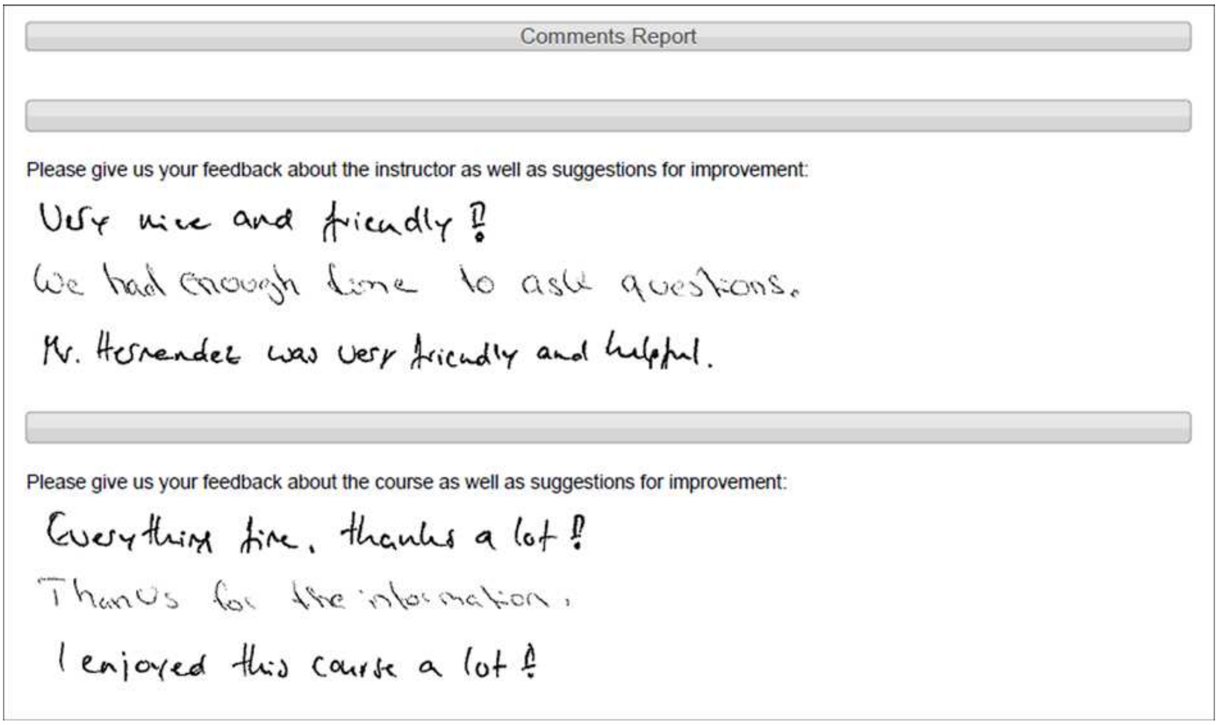
The explanatory texts are defined directly in the questionnaire when creating or editing a question group. In the question group wizard a textbox with the tiltle “Presentation Slide Text” is shown where the desired text can be entered. Each time you change the text length check to make sure that it fits in the field. You can do this by opening a PDF report from a survey with the corresponding questionnaire.

Responses to Open Questions

The responses to open questions are shown as image box sorted according to question. If an online survey was carried out, then the answers will be displayed in machine print.

If there are high return rates then this part of the report can be extensive, depending on the amount of space given in the questionnaire.

You can separate the output of the responses to open questions from the part of the report with closed questions by activating the function “System Settings/Report Settings/Configuration/Separate close/open questions“. This is especially recommended when there are high return rates in order to, for example, print out only the part of the report with closed questions. The part with open questions can take up a great number of pages.



Comments Report

Please give us your feedback about the instructor as well as suggestions for improvement:

Very nice and friendly!

We had enough time to ask questions.

Mr. Hernandez was very friendly and helpful.

Please give us your feedback about the course as well as suggestions for improvement:

Everything fine, thanks a lot!

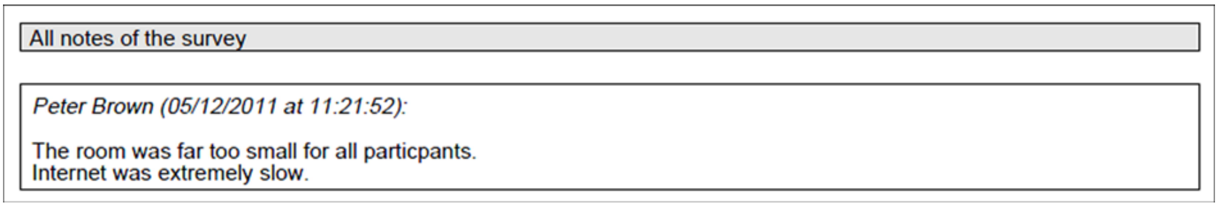
Thanks for the information.

I enjoyed this course a lot!

Figure 279: PDF Report: Responses to Open Questions

Notes of a Survey

You can display the notes of a survey in the PDF report, by activating the option “Show notes in the PDF report” under “System Settings/Report Settings/Configuration”. This option is deactivated by default.



All notes of the survey

Peter Brown (05/12/2011 at 11:21:52):

The room was far too small for all particpants.
Internet was extremely slow.

Figure 280: PDF Report: Display Notes of the Survey

Additional information on adding, editing and displaying notes can be found in chapter B 3.4. "Survey Details" – Editing/displaying notes”.

4.6.5. PDF Report Definitions

The evaluation reports in EvaSys can be influenced in two places.

The chapter before explained that the configuration of each PDF report can be edited under „System Settings/Report Settings”. The second way is by restricting the content of the PDF report as well as defining the subreports and special report recipients.

If you have a questionnaire built up out of modules you can use report definitions to automatically create PDF reports for each module. These partial reports can also then be sent automatically to one or more recipients by email.

PDF report definitions are always defined for each questionnaire and then are valid for every survey created with this questionnaire.

Define Report Definitions

Just choose the option “PDF Reports” in the drop-down list in the details of the corresponding questionnaire (area “Advanced Settings”). Subsequently click on [Edit]. The following window opens automatically:

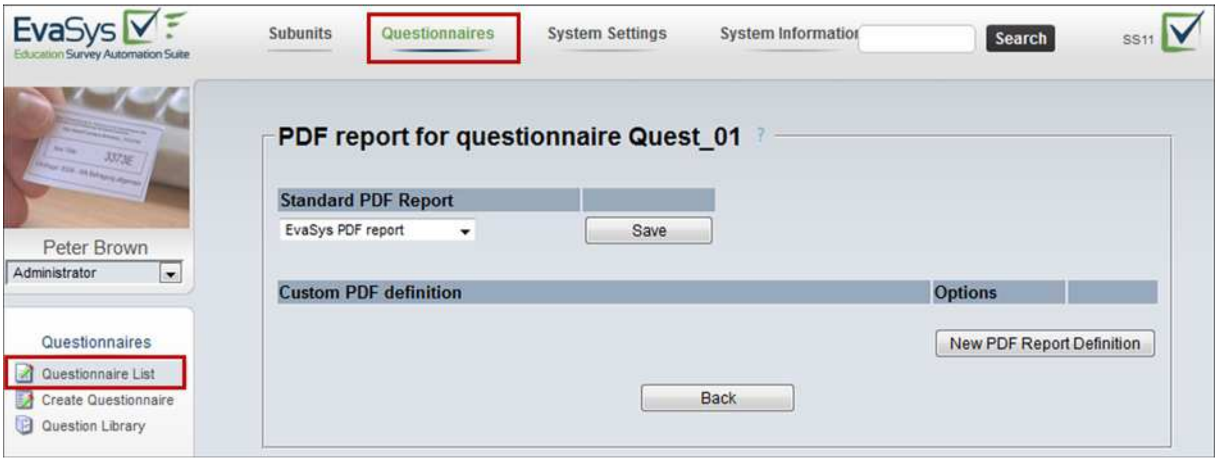

EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Informatio
Search
SS11
Peter Brown
Administrator
Questionnaires
Questionnaire List
Create Questionnaire
Question Library
PDF report for questionnaire Quest_01
Standard PDF Report
EvaSys PDF report
Save
Custom PDF definition
Options
New PDF Report Definition
Back

Figure 281: Report Settings for a Specific Questionnaire

In the area “Standard PDF Report” you can define the PDF report with which the corresponding questionnaire will be displayed by default. Select the corresponding PDF report in the drop-down list and save your changes by clicking on [Save]. Please note, that the “EvaSys PDF Report” is selected by default.

To create a new custom PDF definition click on [New PDF Report Definition]. If required you can create more than one report definition for one questionnaire.

In the window now open you have the following settings:

- name of the report
- selection of the basic report (The configuration settings are adopted from the basic report.)
- description of the report
- recipient list for automatic email delivery
- activate recalculation of indicators (only available if you have defined indicators for the corresponding questionnaire).

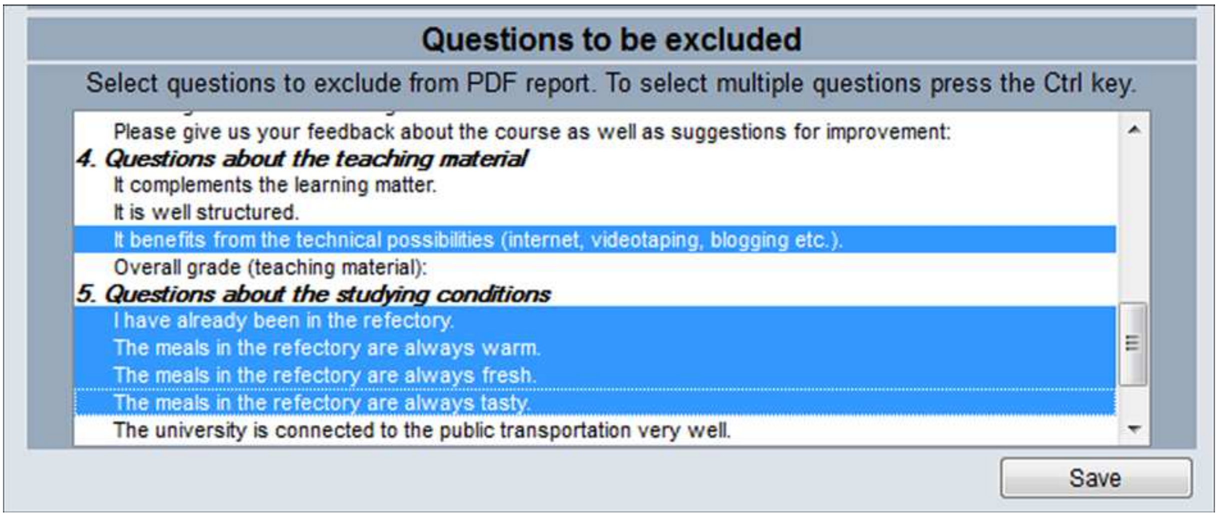
Note:
If a special report has been defined then this will always have priority over the default report when sending the results via the process defaults or the scheduled online surveys. In the survey list and the batch events the default report will always be sent. In the details of the survey the user can define which report has to be sent.

You can now enter further recipients in this report definition. Further recipients could include, for example, the dean of studies or a head of technical services, if a section of the questionnaire deals with the technical infrastructure of the university/company.

The recalculation of the indicators causes the average values of the indicators to be recalculated independently of the questions used.

A click on [Save] saves the settings.

Select/Eliminate Questions



Questions to be excluded

Select questions to exclude from PDF report. To select multiple questions press the Ctrl key.

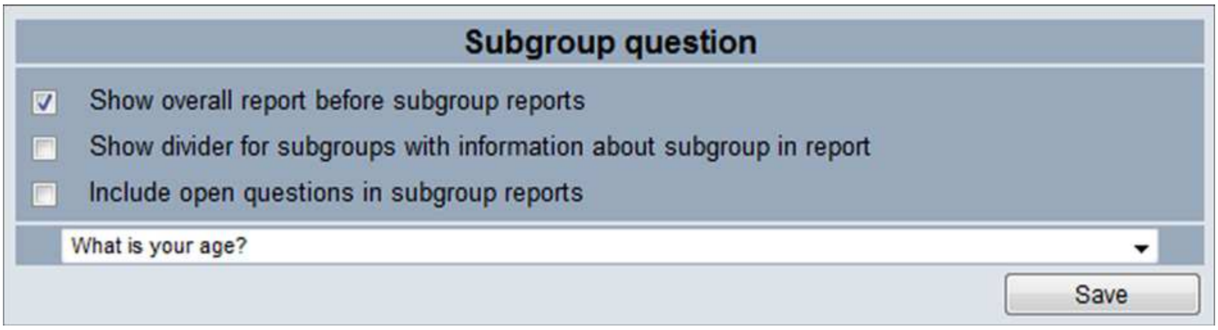
Please give us your feedback about the course as well as suggestions for improvement:
4. Questions about the teaching material
It complements the learning matter.
It is well structured.
It benefits from the technical possibilities (internet, videotaping, blogging etc.).
Overall grade (teaching material):
5. Questions about the studying conditions
I have already been in the refectory.
The meals in the refectory are always warm.
The meals in the refectory are always fresh.
The meals in the refectory are always tasty.
The university is connected to the public transportation very well.

Figure 282: PDF Report Definitions: Exclude Questions

After saving the basic settings you now have the option to define the contents of the report. Select from a list all the questions that should not appear in the report. By pressing the CTRL key you can select a number of questions simultaneously.

By pressing the button [Save] at the bottom of the list your selection of questions to be eliminated will be saved. You can see this by the blue background behind a selected question.

Automatic Subgroups



Subgroup question

☑ Show overall report before subgroup reports

☐ Show divider for subgroups with information about subgroup in report

☐ Include open questions in subgroup reports

What is your age?

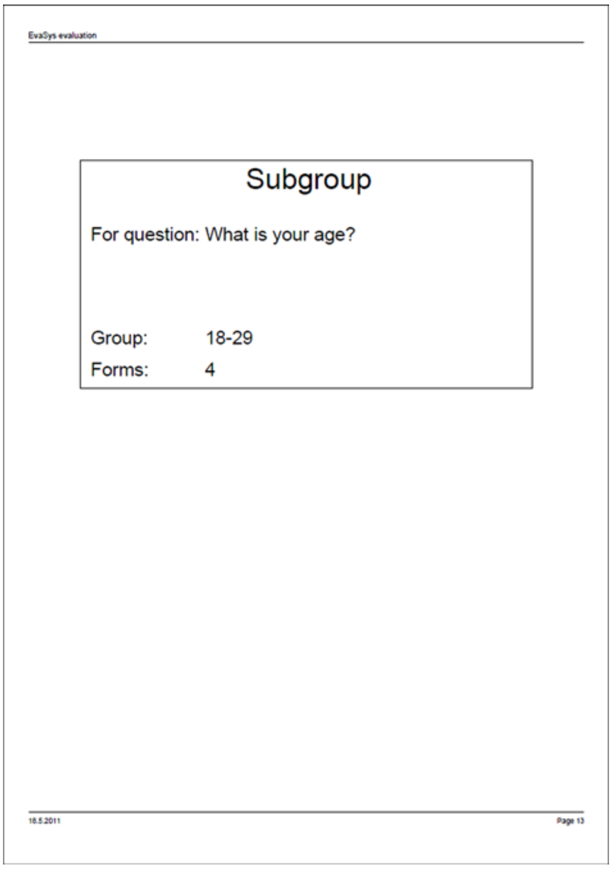
Figure 283: PDF Report Definitions: Build Automatic Subgroups

In the section “subgroup questions” you can define a question for which automatic subgroups are built for each option in the report. The question has to be single choice, multiple choice or a matrix question. Subgroups allow you to take advantage of, for example, automatic filters according to the program of study.

For each response option to this single choice or matrix question the answers are filtered and the subgroup report is attached to the standard report. Please bear in mind, that the standard PDF report is only attached to the subgroup reports if you have activated the option “Show overall report before subgroup reports”. This is of course done only for options that have been check marked or that exceed the minimum number of returns (“System Settings/EvaSys Settings/Survey/Minimum number of returns for reports“).

With the option “Show divider for subgroups with information about subgroup in report” you activate the use of a separator between the subgroups. The following information is shown on the separator:

- The question to be filtered
- The option the subgroup was constructed for
- The number of returns for this subgroup



EvaSys evaluation

Subgroup

For question: What is your age?

Group: 18-29
Forms: 4

18.5.2011
Page 13

Figure 284: PDF Report Definitions: Divider for Subgroups

With the last configuration option “Include open questions in subgroup reports” you can define the use of open questions in the subgroups.

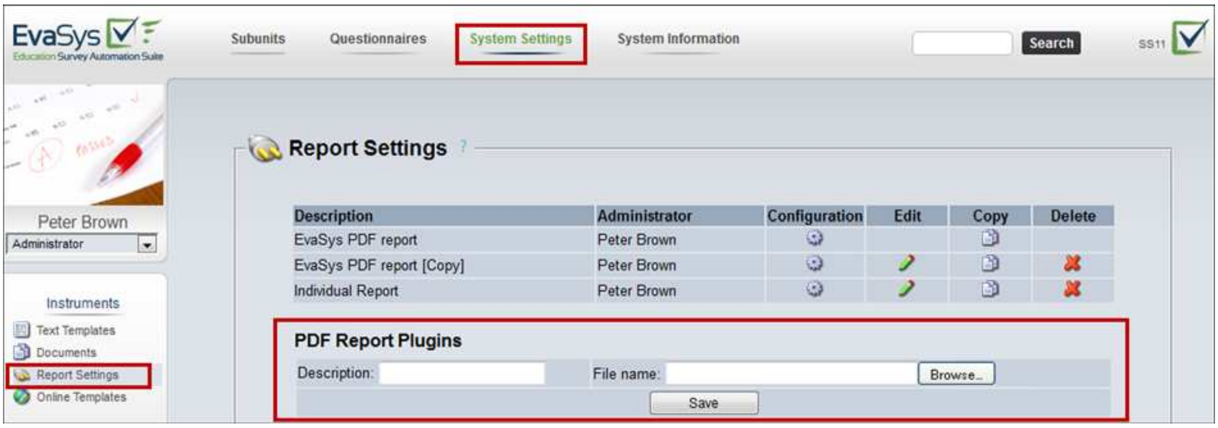
4.6.6. Individually Designed Reports: PDF Report Plugins

EvaSys generates survey evaluations in the form of standardized PDF reports. You can adjust these reports in different ways according to your needs.

If you require a completely adjusted PDF report, you can also include a so-called PDF Report Plugin into EvaSys. A plugin is normally a small program which is inserted into a larger program and provides additional functionality.

In this case it is not a software, but special report types that you can import into the EvaSys system. These report types can define the reports for one, several or all questionnaires available in the system. Also an imported PDF report plugin can replace the “EvaSys PDF Report” that is firmly integrated in EvaSys.

In order to integrate a PDF report plugin into the EvaSys system, you click in the main menu “System Settings” on “Report Settings”.


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Browse...
Save

Report Settings

Description	Administrator	Configuration	Edit	Copy	Delete
EvaSys PDF report	Peter Brown	⚙		⧉	
EvaSys PDF report [Copy]	Peter Brown	⚙	✎	⧉	✖
Individual Report	Peter Brown	⚙	✎	⧉	✖

PDF Report Plugins

Description:

File name:

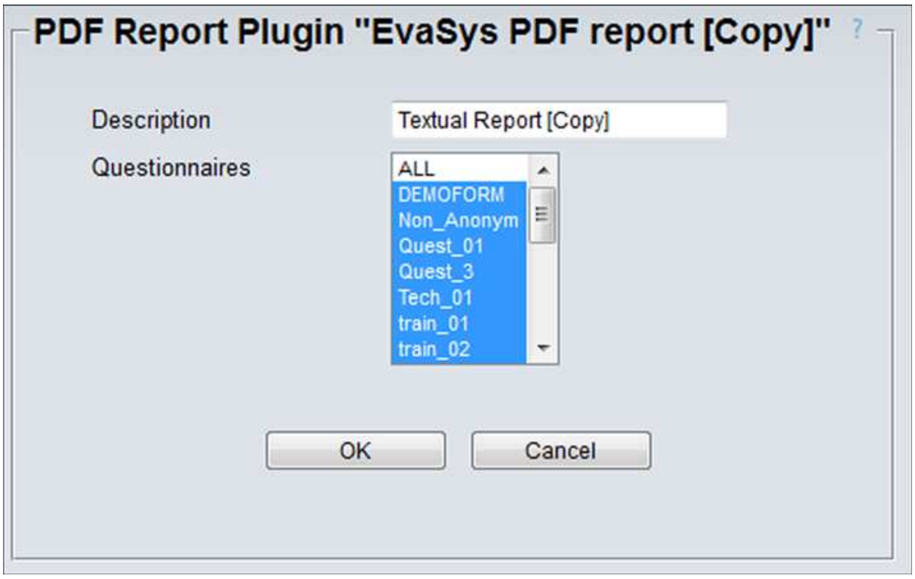
Figure 285: PDF Report Plugin: Upload Plugin

Via [Browse] you can choose the PDF report plugin file. In the following example, this file is called CTextualReport.php. Then enter a description text and click on [Save].

In this way several PDF report plugins can be integrated into the EvaSys system:

In order to change the setting of a PDF report plugin, click on the symbol for editing (Paper and Pencil-Icon).

In the following dialogue the description text can be changed:



PDF Report Plugin "EvaSys PDF report [Copy]"

Description: Textual Report [Copy]

Questionnaires:
- ALL
- DEMOFORM
- Non_Anonym
- Quest_01
- Quest_3
- Tech_01
- train_01
- train_02

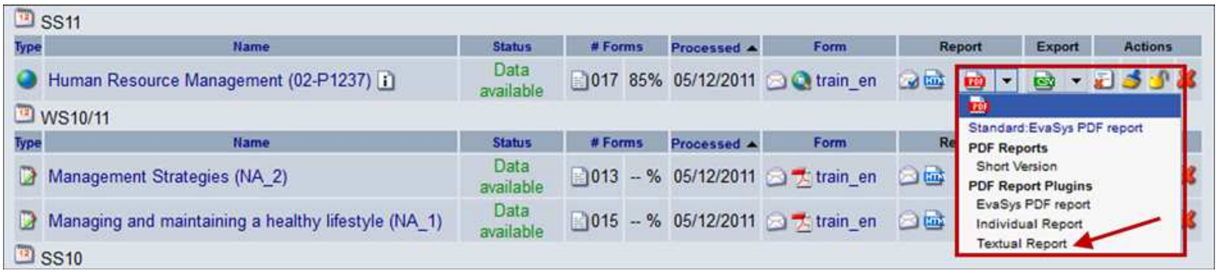
Figure 286: PDF Report Plugin: Dialogue for Editing a Plugin

From the selective list next to “Questionnaires” you can now select the questionnaires for which the PDF report plugin should be available.

Note:
A PDF report plugin may not support all question types and may thus only be useful to certain types of questionnaires.

With a click on [OK] the changes are saved.

If you go back to the main menu “Subunits” and access surveys, a drop down-menu appears in the column “Report” of the survey overview. Through these you can access the available PDF report types and have the respective survey evaluated through the chosen report type:



SS11

Type	Name	Status	# Forms		Processed ▲	Form	Report	Export	Actions
	Human Resource Management (02-P1237)	Data available	017	85%	05/12/2011	train_en			

WS10/11

Type	Name	Status	# Forms		Processed ▲	Form	Report	Export	Actions
	Management Strategies (NA_2)	Data available	013	-- %	05/12/2011	train_en			
	Managing and maintaining a healthy lifestyle (NA_1)	Data available	015	-- %	05/12/2011	train_en			

SS10

Figure 287: PDF Report Plugin: Selecting the Adapted Report from the List of Surveys

For further information on customer specific report plugins for a completely customized PDF report, please feel free to contact us.

4.6.7. Download and Sending of Reports

Manual Download of Evaluation Reports

When the reports are not to be sent to the instructors by email (“EvaSys Settings/ Email Functions & Accounts/Attach PDF Report”) you can configure EvaSys so that instructors can login to the system and then manually download their PDF reports from the Central Evaluation.

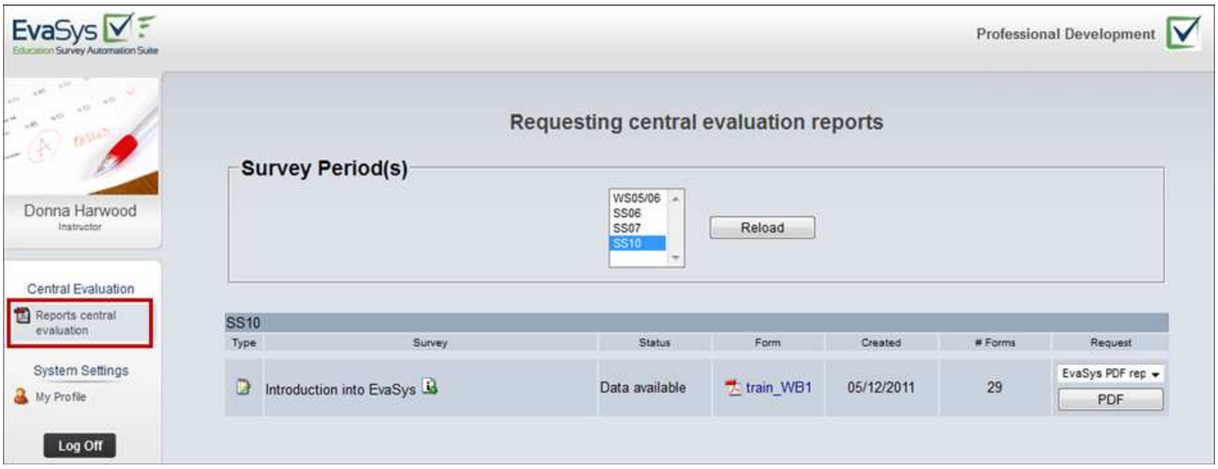
- Passive instructors

  Passive instructors automatically see their surveys from the Central Evaluation. In order to do this simply activate access in “System Settings/EvaSys Settings/Central Evaluation/Passive Instructor: Access to Download Reports”.

  After authentification of the instructor he can select the survey period and all the surveys from this period are displayed with type, name, questionnaire, creation date, and number of returns.

  For each survey the instructor can now download the PDF report, if the questionnaire is multilingual then in a number of languages.

  The passive instructor can change his access data by clicking on the menu point “My profile”.


EvaSys Education Survey Automation Suite
Professional Development
Donna Harwood
Instructor
Central Evaluation
Reports central evaluation
System Settings
My Profile
Log Off
Reload

Requesting central evaluation reports

Survey Period(s): WS05/06, SS06, SS07, SS10

SS10

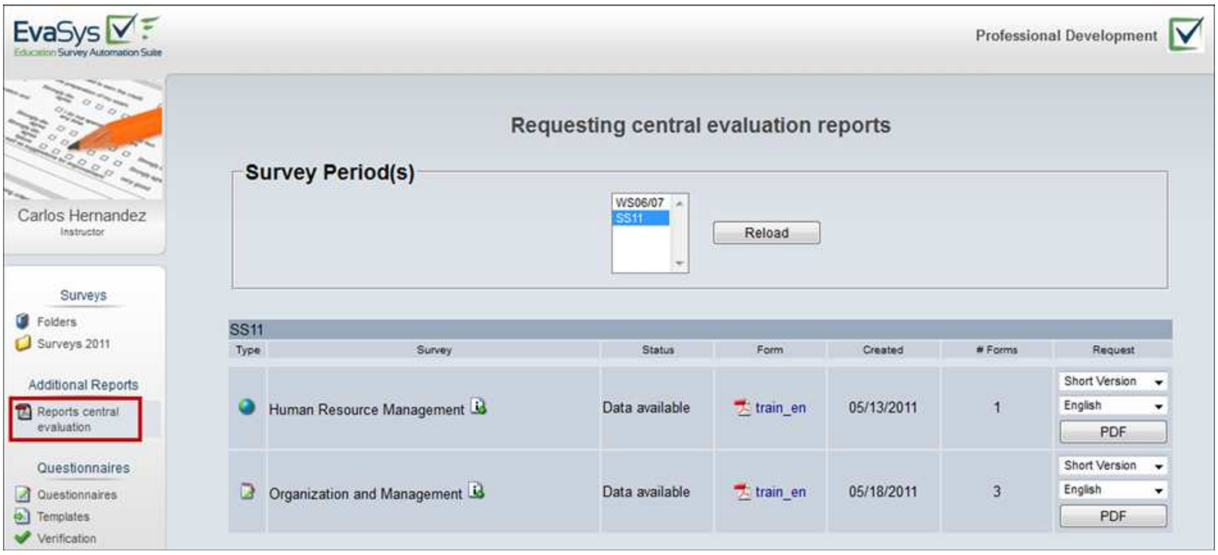
Type	Survey	Status	Form	Created	# Forms	Request
	Introduction into EvaSys	Data available	train_WB1	05/12/2011	29	EvaSys PDF rep PDF

Figure 288: Downloading Reports by Passive Instructors

- Active instructors

  Active instructors have in their menu view a link to the reports of the Central Evaluation. To set this up simply activate the link in “System Settings/EvaSys Settings/ Central Evaluation/Active Instructor: Download Reports from the Central Evaluation”.

  After authentification of the instructor, he can click on the link “Central Evaluation Report” and then receive the same view as the passive instructor. After selecting the period he can download the reports from the survey.


EvaSys Education Survey Automation Suite
Professional Development
Carlos Hernandez
Instructor
Surveys
Folders
Surveys 2011
Additional Reports
Reports central evaluation
Questionnaires
Questionnaires
Templates
Verification
Reload

Requesting central evaluation reports

Survey Period(s): WS06/07, SS11

SS11

Type	Survey	Status	Form	Created	# Forms	Request
	Human Resource Management	Data available	train_en	05/13/2011	1	Short Version English PDF
	Organization and Management	Data available	train_en	05/18/2011	3	Short Version English PDF

Figure 289: Download of Reports by Active Instructors

In order for the instructor to receive a message that he can download new reports, the automatic dispatch of emails should be activated after scanning.

At the same time the dispatch of the PDF reports or CSV data must be deactivated at “System Settings/EvaSys Settings/Email Functions & Accounts”. The email text “E-MAIL: Report for Survey” can be modified and, for example, describe how the instructor should login to the system.

The settings for email delivery do not only affect the automatic email dispatch but also the manual delivery of reports by the administrator using the survey view.

Mass Production and Sending of Reports

You can use the batch events for the mass production and sending of reports. For further information please consult the chapter B 3.11. "Batch Events ".

Types of report dispatch

The following table gives an overview on different possibilities of report dispatch in EvaSys together with notes on types of reports and report recipients.

Type of Dispatch	Notes
Process Defaults (only paper based surveys)	The PDF report definitions are sent to the defined recipient(s). The recipients are defined when creating or editing a PDF report definition. If no PDF report definition exists, the defined standard report will be sent instead. The standard report can be defined in the details of a questionnaire.
Scheduled Online Survey	The PDF report definitions are sent to the defined recipient(s). The recipients are defined when creating or editing a PDF report definition. If no PDF report definition exists, the defined standard report will be sent instead. The standard report can be defined in the details of a questionnaire.
Survey List (Envelope Icon)	The defined standard PDF report is sent to the defined recipient(s). The standard report can be defined in the details of a questionnaire. The report recipients are the instructor as well as selected “Further Report Recipients” (Secondary Instructors).
Batch Events	The defined standard PDF report is sent to the defined recipient(s). The standard report can be defined in the details of a questionnaire. The report recipients are the instructor as well as selected “Further Report Recipients” (Secondary Instructors).
Details of the Survey	The user can define which report is to be sent to the defined recipient(s).

Table 15: Types of Dispatch

4.6.8. PDF Standard

EvaSys supports the PDF/A-1b Standard. This standard ensures that your PDF reports are suitable for long term digital preservation and are clearly able to be reproduced.

Note:

When using your own PDF templates your PDF reports are no longer PDF/A-1b compatible. This applies to reports whose cover letter was modified by your own templates (under System Settings/Documents" as well as "System Settings/Text Templates"). PDF report definitions are only then affected when for this questionnaire or in general your own PDF templates are used. Should you want to use PDF report plugins, please discuss the question of PDF/A-1b compatibility when creating the PDF plugins.

If PDF/A conformity is not necessary or desired, for instance because no legally secure electronic archiving of the files must be performed, it can be removed in the PDF report configuration at "System Settings/Report Settings/Configuration/PDF/A Conformity". By removing the PDF/A mode, it is possible to copy out contents from the PDF report, for instance, to use them for discussing evaluation results. When PDF/A mode is activated, the file is protected: no contents can be removed and the file cannot be edited at a later point.

5. Phase 4: Advanced Reporting

As soon as you have implemented surveys and scanned data, you receive the automatically generated reports. If you wish to process this data further, for example to summarize and/or compare it, there are extensive and flexible options in EvaSys available to you, as well as the export facilities into other programs. In the phase model this is the fourth of the five phases.

In this chapter, you initially learn what indicators are and how you can create them in EvaSys – since they form the basis for a certain type of summary reports.

You will then receive a comprehensive introduction to the options in producing summary reports. The creation of reports does not occur via the administrator access, but rather you must be logged in as a report creator. Often this role, however, is carried out jointly with that of the EvaSys administrator.

For expanded evaluations you can export the captured data from EvaSys. For this purpose, the CSV format as well as a specific format for import into the statistics program SPSS are available to you. The explanations of these export options bring us to the end of the chapter.

5.1. Indicators

5.1.1. The Principle of the Indicator

In the automatically generated PDF reports you receive an average value for all your scaled questions as an expression of how the respondents replied to this scaled question. In this example you see a question referring to the quality of the instructor:

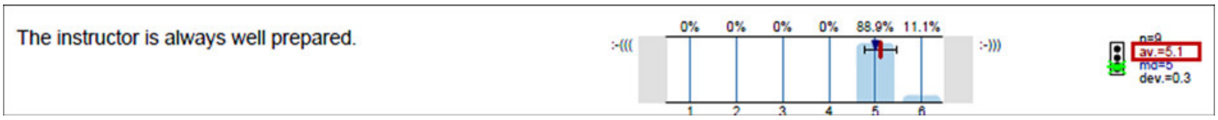
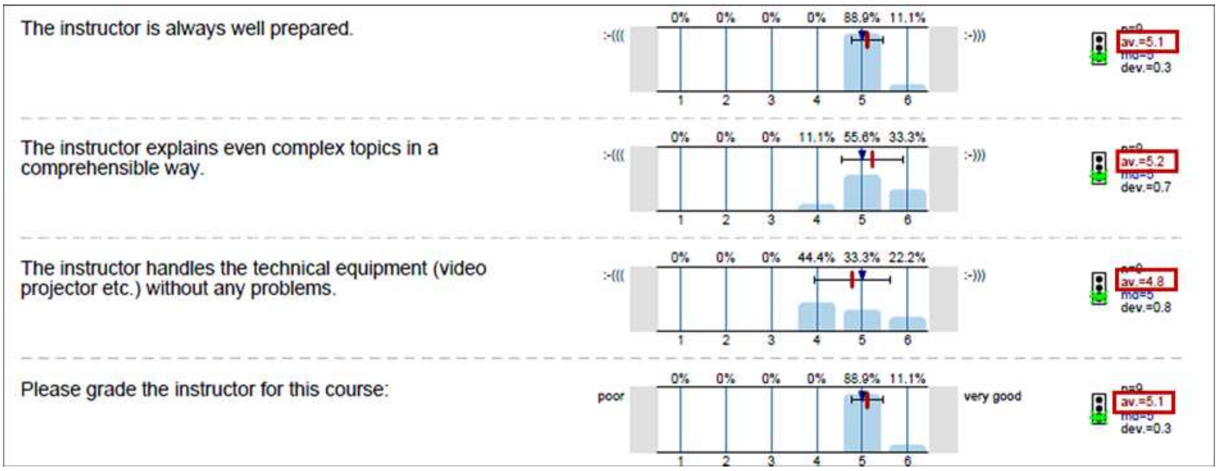

The instructor is always well prepared.

Figure 290: Evaluation of a Scaled Question with Specification of the Average (Diagram Type: Histogram)

With regard to the thematic direction and your own requirements, you will have divided the questions on your questionnaire into question groups. For example, one could assign all questions regarding the quality of the course to the question group “About the instructor”. You will then receive an average value for each of the scaled questions.

If you (or for example deans, department heads, etc.) wish to obtain a quick overview of the results of the survey, often not every single question may be of interest. One rather needs summary statements. If, therefore, you do not wish to view all questions separately, it is possible to calculate an average for the scaled questions of an entire question group, the so-called indicator. The indicator in EvaSys thus forms a question group average.



The instructor is always well prepared.

The instructor explains even complex topics in a comprehensible way.

The instructor handles the technical equipment (video projector etc.) without any problems.

Please grade the instructor for this course:

Figure 291: Evaluation of Scaled Questions of an Entire Question Group

Generally indicators can be regarded as kind of identification numbers which make a statement about the summarized items. (In EvaSys, for example, one question would correspond to one item.) This way the questioned values (for example quality of the course) are measurable and comparable. Of course, an indicator can only give an accurate overall statement when the single questions can actually make a contribution to the statement.

For the calculation of the indicator in EvaSys all results of the scaled questions are added. The sum of them is divided by the number of responses. (Thus, the already calculated averages of the single questions are not used for this!) This means that questions with a smaller number of valid responses (for example with abstentions or invalid responses) have a smaller influence on the indicator than questions with a higher number of valid answers.

Example:

Your questionnaire contains for example a question group “Instructor” with the following three scaled questions (for clarity reasons, fewer questions than displayed above are used):

Question 1: The instructor masters his field.

Question 2: The instructor openly takes on board questions and comments.

Question 3: The instructor knows how to present the topic interestingly.

You hereby use a scale with six response options with the bad values lying to the left and the best values to the right.

To question 1 the following five valid responses are given (here, for clarity reasons, also an unusually small number):

3, 4, 2, 5, 4 - Average of this question = (3 + 4 + 2 + 5 + 4) / 5 = 3.60

For question 2 a respondent put two crosses, this answer is, therefore, invalid. The following four valid responses remain:

1, 4, 2, 4 - Average of this question = (1 + 4 + 2 + 4) / 4 = 2.75

Question 3 was ticked only three times, the other two respondents did not give a response. These three answers are valid and read

5, 6, 5 - Average of this question = (5 + 6 + 5) / 3 = 5.33

Now an indicator is calculated for this question group. EvaSys needs the responses to the corresponding scaled questions for that, adds them and divides them by the total number:

Indicator = (3 + 4 + 2 + 5 + 4 + 1 + 4 + 2 + 4 + 5 + 6 + 5) / 12 = 3.75

If one adds the three averages and divides them by the number of averages – which does not correspond to the calculation of the indicator! - one receives another value:

(3.60 + 2.75 + 5.33) / 3 = 3.89

Note:

One recognizes clearly that the calculation of the indicator which is weighted according to the number of answers given, produces a very different result than the calculation through the averages that are available (which does not take into account the number of the responses, but which rather counts the questions each as “1”).

Only through taking into account several indicators you receive an overview of the entire survey. The summary of several indicators produces an index. In EvaSys all indicators of the questionnaire (meaning this index for the total questionnaire) are calculated into the so-called overall indicator that thus forms a type of “grade” for the total survey.

The overall indicator, in contrast to individual indicators, is not calculated using individual results. The overall indicator is calculated by adding the individual indicators and dividing the sum by their total number. Please note that the calculation does not use the indicator shown in the PDF report, which has been rounded to two decimal places, but instead uses the original, full indicator, which can include more than two decimal places.

Example:

On your questionnaire there are three question groups which contain scaled questions:

Question group “Instructor”

Question group “Course”

Question group “General assessment”.

The answers show for the first question group an indicator of 3.75, for the second question group one of 3.7, for the third group one of 2.9. (The scale consists – as mentioned – of six response options with the positive values on the right.)

The overall indicator for this questionnaire is made up from the addition of the three indicators mentioned as well as from the division by three (number of indicators):

(3.75 + 3.7 + 2.9) / 3 = 3.45

The overall indicator is therefore 3.45.

It is a reference to the survey's overall result. On the basis of your scale – a scale with six options – and the assessment (positives on the right) you can now recognize, for example, that the result sits to the right from the middle, therefore, it is relatively good.

Note:
You can recognize from this example how important the division and alignment of the scale is for the interpretation of the results. Since the values on which the scale is based form the basis for the calculation of the indicator, you must be sure to use absolute standardized scales on the questionnaire. Within a question group only the questions of a defined scale can be used for the calculation; a comprehensive change in the question group scale (for example from a 5er-scale to a 6er-scale) would make an overall indicator hard to interpret.

In order to really be able to interpret the indicators produced, one must know how other surveys turned out. For this you can fall back on norming.

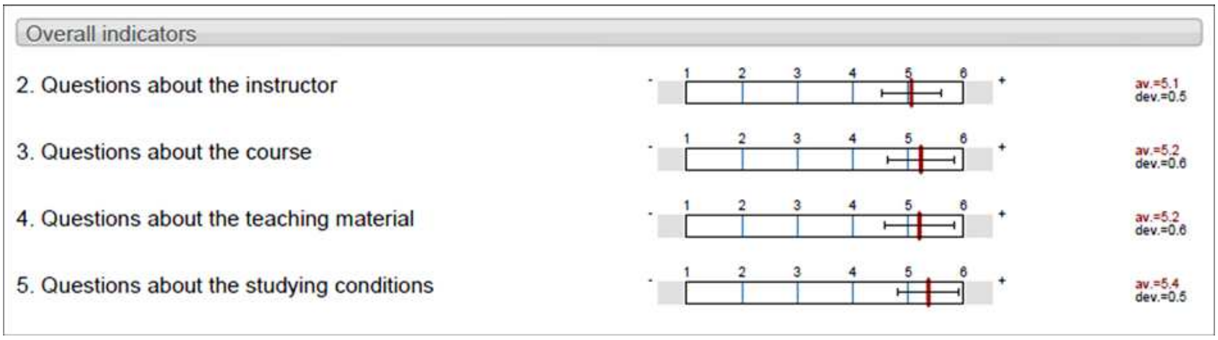
5.1.2. Activating the Indicators in the Configuration

If you wish to utilize the calculation of indicators, you must first activate them in the configuration of each PDF report.

For this purpose, you call up the option “Configuration” in the menu “System Settings/ Report Settings”. Please bear in mind, that you have to define the configuration for each of your PDF reports.

There you find the setting “Calculate indicators” which you can activate and deactivate.

If you activate the calculation of the indicators here, the indicator and standard deviation are displayed at the beginning of the PDF report as a bar diagram. On the margin you can also see both of them as numerical data:



Overall indicators

2. Questions about the instructor av.=5.1 dev.=0.5

3. Questions about the course av.=5.2 dev.=0.6

4. Questions about the teaching material av.=5.2 dev.=0.6

5. Questions about the studying conditions av.=5.4 dev.=0.5

Figure 292: Indicators: Display in the PDF Report (Without Overall Indicator)

The option “Calculate indicators” from the configuration refers only to this calculation of the indicators at the beginning of the questionnaire. The other display options which are presented in the following are not affected by it!

Here in the EvaSys Settings you can also find some further settings which influence the display of the indicators in the PDF report.

- The setting “Create profile Line for indicators” (some lines above “Calculate indicators”) subsequently adds to the usual profile line for individual questions a profile line for the indicators defined in the questionnaire:

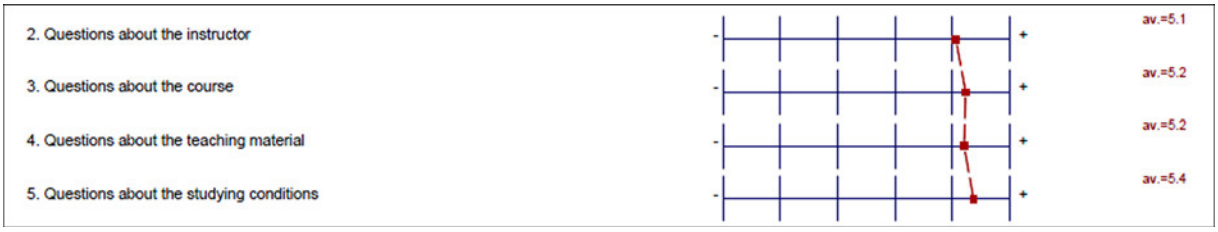


Figure 293: Indicators: Profile Line in the PDF Report

Here you see the profile line for the four indicators “evaluation of the course”, “evaluation of the professor”, “overall rating” and “evaluation of the handouts”.

- In addition to the display of the indicators that you chose, you can add the overall indicator of the survey. Deactivate the setting “Hide overall indicator” in the configuration of the PDF report. In addition to the other indicators the overall indicator is displayed at the beginning of the report:

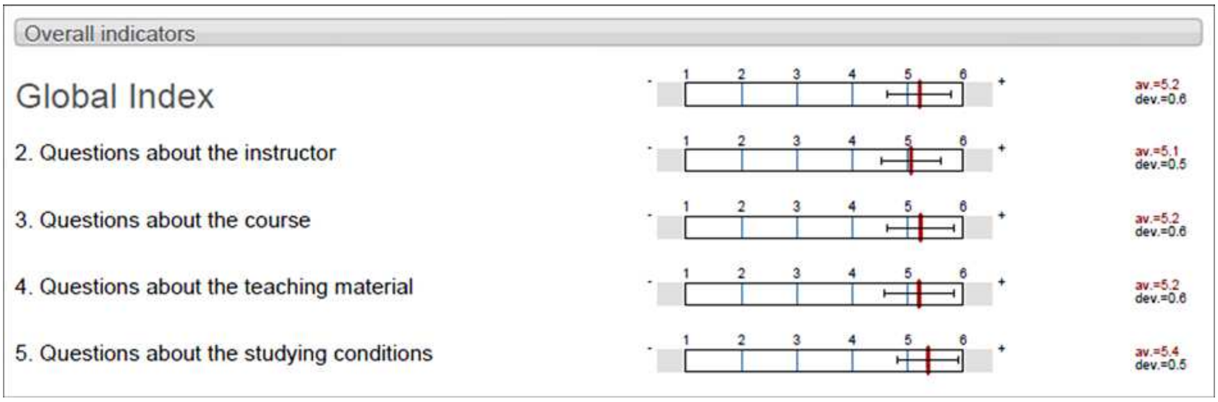


Figure 294: Indicators: Display in the PDF Report (With Overall Indicator)

- The options “Left pole for indicators” and “Right pole for indicators” define the texts that label the scales' left and right margins in the report and in the presentation template:

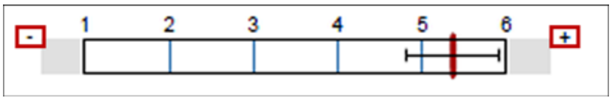


Figure 295: Indicators: Left/Right Pole

Please note:

These pole texts in the configuration of the PDF report have no influence on the calculation of the indicators or the actual alignment of the scales! You only define the texts which serve the users orientation.

5.1.3. Creating the Indicators for a Questionnaire

Since the indicators form the averages of particular question groups, they are also activated for particular question groups in the relevant questionnaire.

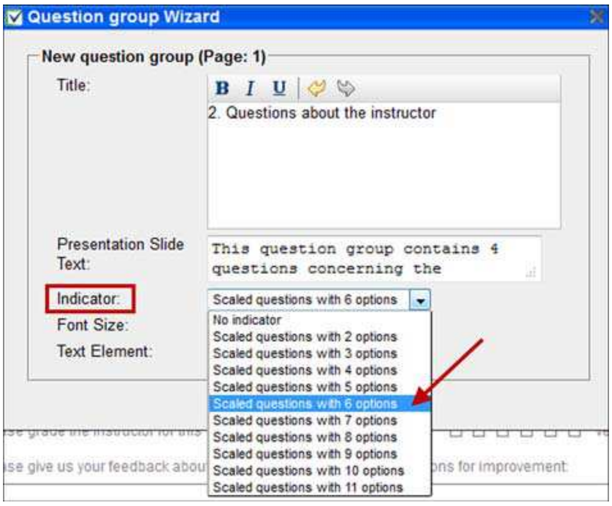
Hint:

As you know, you can no longer change a questionnaire once you have created a survey with it. You can, however, create the indicators at any time, even after the creation of surveys!

To do this, navigate as usual to your questionnaire and open the editing screen (in the main menu "System Settings", select "Questionnaires" in the left submenu, select in the drop down-menu below "Action" the option "Edit").

Open the editing window of a question group (by double-clicking on the question group or by clicking on the question group and selecting the option "Edit Question group" in the menu "Edit"). As described above, for the indicator only scaled questions are used, meaning that the definition and calculation of an indicator only makes sense for group questions that indeed contain scaled questions.

You see the following window:



Question group Wizard

New question group (Page: 1)

Title: 2. Questions about the instructor

Presentation Slide Text: This question group contains 4 questions concerning the

Indicator: Scaled questions with 6 options

Font Size:

Text Element:

B I U
No indicator
Scaled questions with 2 options
Scaled questions with 3 options
Scaled questions with 4 options
Scaled questions with 5 options
Scaled questions with 6 options
Scaled questions with 7 options
Scaled questions with 8 options
Scaled questions with 9 options
Scaled questions with 10 options
Scaled questions with 11 options
ase give us your feedback abou
ons for improvement

Figure 296: Indicators: Editing Window in the Question Group

The first specification of the window refers to the heading of the question group, this, however, is possibly grayed in, since you can no longer change it once the surveys have been created.

Below it (and possibly the presentation slide text) you find information on the indicator. If no indicator has been created so far, it reads “No indicator”. When you open the drop-down menu, you see that you can also select an indicator for all kinds of scales.

Make your desired selection here – according to the scale of your scaled questions – and close the window by clicking on [Apply].

5.1.4. Internal Consistency of the Question Group: Cronbach’s Alpha

In EvaSys, Cronbach’s Alpha describes the internal consistency of a question group. This value indicates whether the items of a question group are meaningfully related to each other and can thus be seen as capturing the concept the question group is meant to measure.

Note:
Please note that a survey participant must answer all questions of a question group if his answers are to be included in the Cronbachs Alpha calculation.

Cronbach’s Alpha can range between minus infinity and 1; however only positive values have a meaningful interpretation. A value of 0 means that the items (i.e. questions) are not associated which each other at all. A value of 1 would be the strongest relationship between questions that is possible. In general, with a value of 0.7 or above the scale (i.e. question group) can be considered as reliable.

The table below gives a guide how different values of Cronbach’s Alpha can be interpreted:

Cronbach's Alpha Value	Interpretation
> 0.9	Excellent
> 0.8	Good
> 0.7	Satisfactory
> 0.6	Questionable
> 0.5	Poor
< 0.5	Unacceptable

Table 16: Interpretation of Cronbach’s Alpha

Note:
Please note that the value of Cronbach's Alpha increases automatically when

- question wording differs only superficially from each other
- a question group has a large number of questions; in this case the statistic has to be interpreted with care

When activated in the PDF report settings, Cronbach's Alpha is given in the PDF report for each indicator (menu “System Settings/Report Settings/Configuration/Cronbach’s Alpha”). Cronbach’s Alpha can only be displayed if the indicators of the corresponding questionnaire have been defined previously.

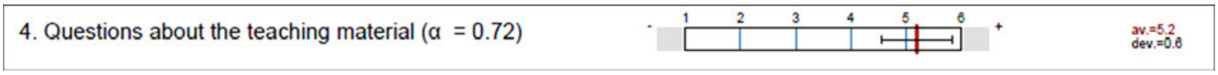

4. Questions about the teaching material (α = 0.72)

Figure 297: Display of Cronbach’s Alpha in the PDF Report

Note:
Please note that in EvaSys the regular, non-standardized Cronbach's Alpha is used, which is calculated from the variances and co-variances of the questions within a question group.

EvaSys calculates Cronbach's Alpha with the following formula:

$$\alpha = \frac{N \cdot \bar{r}}{(1 + (N-1) \cdot \bar{r})}.$$

Figure 298: Formula Used to Calculate Cronbach's Alpha; where N = number of items (i.e., questions in question group) and r ? = ratio of covariance : variance (average correlation between items)

In order to determine $\bar{r}$, the covariance for all possible combinations of questions is calculated, as well as the variance for all questions of the question group. The resulting values are averaged and the ratio between them is determined in order to calculate the average correlation between the questions in the question group.

In order to calculate the covariance for each question of the question group, the difference of the given responses to the respective arithmetic mean is calculated. These values are multiplied for all possible combinations of questions and their sum divided by n - 1 (n = number of responses).

$$S_{x,y} = \frac{1}{n-1} \sum_{i=1}^{n} (x_i - \bar{x}) \cdot (y_i - \bar{y})$$

Figure 299: Formula for the Calculation of the Covariance

The variance corresponds to the sum of the squared differences of the response values to their respective arithmetic mean value, divided by n - 1 (n = number of responses).

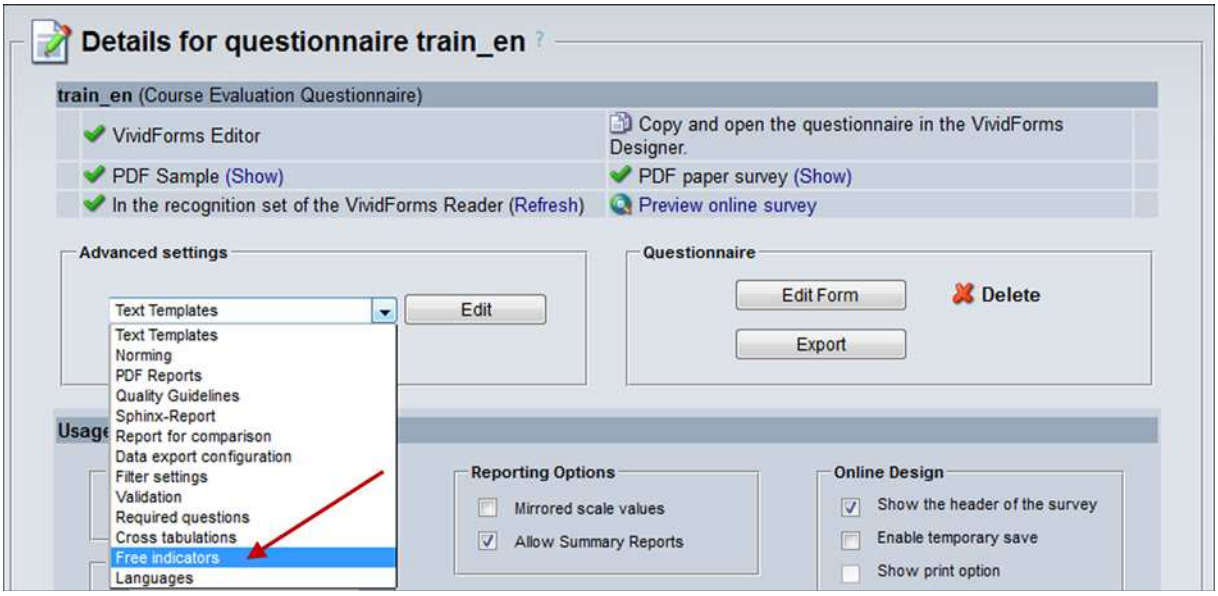
$$S^2 \text{ (oder } \hat{\sigma}^2\text{)} = \frac{1}{n-1}\sum_{i=1}^{n}(x_i - \bar{x})^2$$

Figure 300: Formula for the Calculation of the Variance

5.1.5. Free Indicators

In general, the question groups containing the questions on the questionnaire form the basis for the calculation of the indicators, this means, that question group and indicator are consistent with regard to the questions included. It is also possible to freely define indicators, so that questions of different question groups can serve as the basis for the calculation of an indicator. The elements of an indicator are, as such, freely distributable throughout the questionnaire. These so-called “Free Indicators” can be stored separately for each questionnaire and displayed later in the PDF report in place of the conventional indicators.

The “Free Indicators” can be defined in the questionnaire details (drop-down list in the area “Advanced Settings”, option „Free Indicators“).



Details for questionnaire train_en

train_en (Course Evaluation Questionnaire)

✓ VividForms Editor
Copy and open the questionnaire in the VividForms Designer.
✓ PDF Sample (Show)
✓ PDF paper survey (Show)
✓ In the recognition set of the VividForms Reader (Refresh)
Preview online survey

Advanced settings: Text Templates

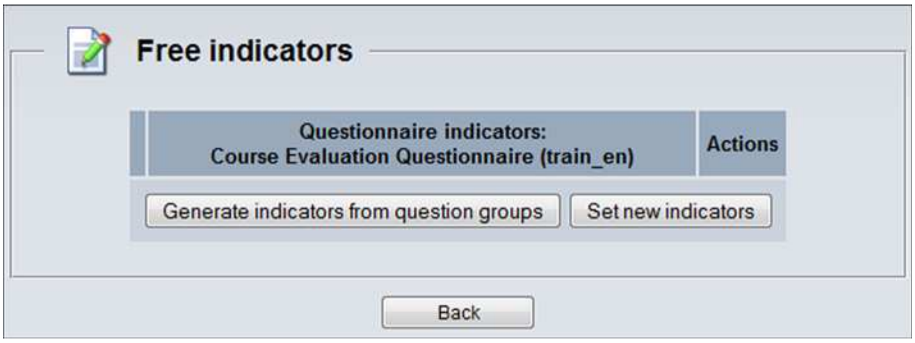
Reporting Options
☐ Mirrored scale values
☑ Allow Summary Reports

Online Design
☑ Show the header of the survey
☐ Enable temporary save
☐ Show print option

Edit
Text Templates
Norming
PDF Reports
Quality Guidelines
Sphinx-Report
Report for comparison
Data export configuration
Filter settings
Validation
Required questions
Cross tabulations
Free indicators
Languages
Questionnaire
Edit Form
Delete
Export
Usage

Figure 301: Free Indicators: Access in the Questionnaire Details

After clicking on the button [Edit], the window for setting the indicators opens automatically. Now question groups can either be converted to indicators and be subsequently processed, or the indicators can be defined freely.

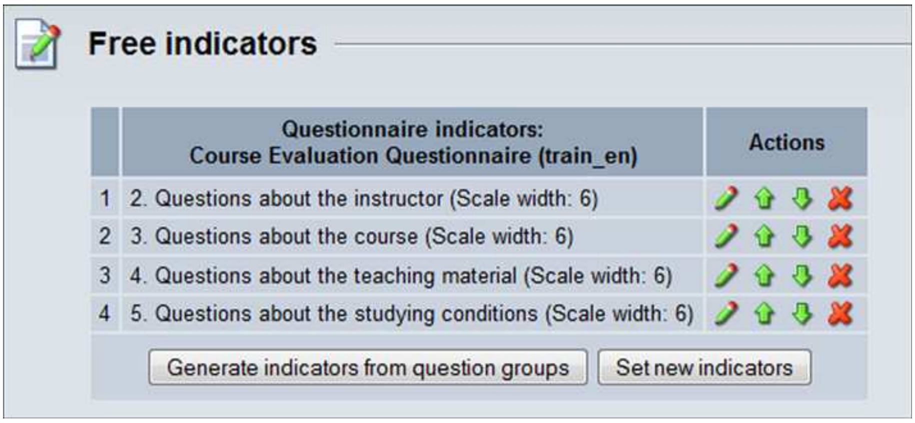


	Questionnaire indicators: Course Evaluation Questionnaire (train_en)	Actions

Figure 302: Free Indicators: Setting

By clicking on the button [Generate indicators from question groups], the indicators are established based on the question groups on the questionnaire and the scaled questions contained therein. This compilation can be subsequently edited by using the green pencil icon, so that the questions of an indicator can be freely distributed throughout the questionnaire.

By using the green arrows, the indicators can be moved up or down. The indicators can be deleted at any time by clicking on the red cross.

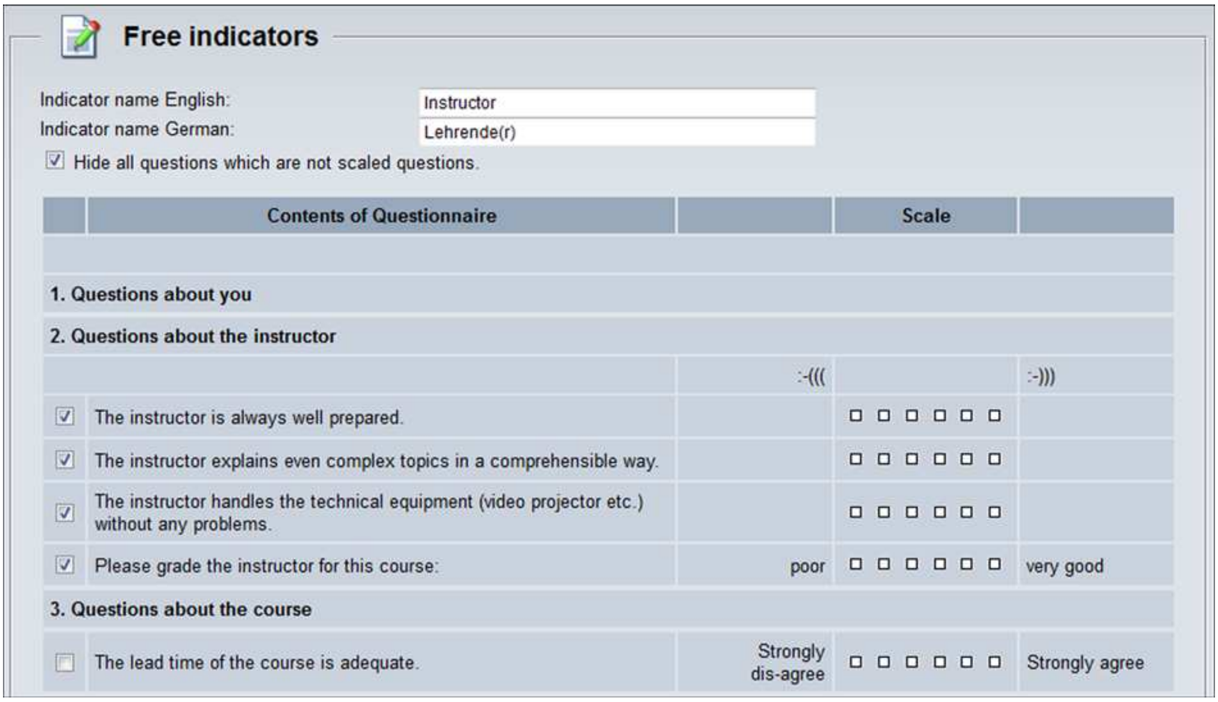


	Questionnaire indicators: Course Evaluation Questionnaire (train_en)	Actions
1	2. Questions about the instructor (Scale width: 6)	✎ ⇧ ⇩ ✖
2	3. Questions about the course (Scale width: 6)	✎ ⇧ ⇩ ✖
3	4. Questions about the teaching material (Scale width: 6)	✎ ⇧ ⇩ ✖
4	5. Questions about the studying conditions (Scale width: 6)	✎ ⇧ ⇩ ✖

Figure 303: Free Indicators: Generate from Question Groups

To edit an indicator, click on the pencil icon. An overview of the questionnaire is now shown.

Initially, the indicator name is displayed and can be changed as desired. If the questionnaire exists in different languages, the indicator name must also be deposited for each respective language (in this case, German and English). In order to achieve greater clarity, it is possible to hide all questions that are not of the scaled question type. Via the selection box in the left column, the questions relevant to the indicators can now be selected or deselected. Please save your changes by clicking on [Save] at the bottom of the page.



Indicator name English: Instructor

Indicator name German: Lehrende(r)

☑ Hide all questions which are not scaled questions.

	Contents of Questionnaire		Scale	
	1. Questions about you			
	2. Questions about the instructor			
		:-(((		:-)))
☑	The instructor is always well prepared.		☐ ☐ ☐ ☐ ☐ ☐	
☑	The instructor explains even complex topics in a comprehensible way.		☐ ☐ ☐ ☐ ☐ ☐	
☑	The instructor handles the technical equipment (video projector etc.) without any problems.		☐ ☐ ☐ ☐ ☐ ☐	
☑	Please grade the instructor for this course:	poor	☐ ☐ ☐ ☐ ☐ ☐	very good
	3. Questions about the course			
☐	The lead time of the course is adequate.	Strongly dis-agree	☐ ☐ ☐ ☐ ☐ ☐	Strongly agree

Figure 304: Free Indicators: Editing

Using the button [Set new indicators] the indicators can be set up manually. After clicking on the button, the questionnaire is shown in the overview. Again, a name for the indicator must first be given, and then the individual questions can be selected by activating the checkbox. By clicking on [Save], the new indicator is added to the list of indicators.

Free indicators are displayed in the PDF report, if the calculation of indicators is activated in the configuration of the PDF report:

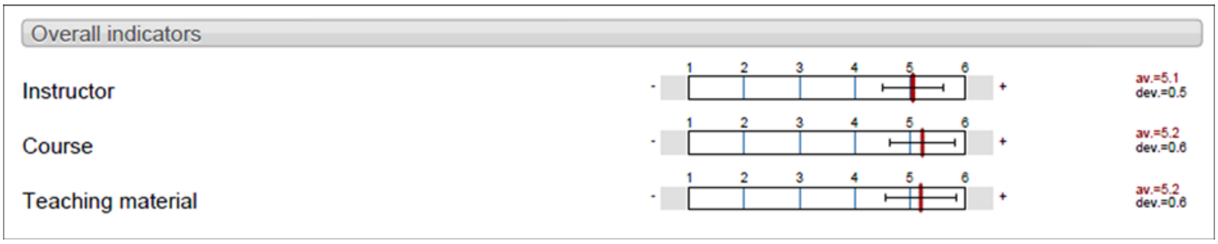


Figure 305: Free Indicators: Display in the PDF Report

Note:

Free indicators can only be used for display in the PDF report. They cannot be used as a basis for quality guidelines or norming nor in overall reports in the report creator. Here, in general, only the indicators of the question groups are used. Also, Cronbach's Alpha cannot be calculated for free indicators.

5.2. Creating Reports and Comparative Profile Lines

As soon as you have scanned data into EvaSys for a survey and/or received data during online surveys, a PDF report is generated automatically with this data. The more data you scan, the more important it is to be able to compare and summarize this data. For these purposes there are several aids available in EvaSys. One of these are the functionality's of the so-called report creator which are presented in the following.

5.2.1. The User Role of the Report Creator

The report creator is a user created by the EvaSys administrator in order to produce summary reports for the captured data and to send comparative profile lines. In practice, the person in charge of the system's administration often also takes on the function of the report creator, too. Administrator and subunit administrators can therefore also take on the role of Report Creator in their user profile. In order to be able to separate the functions, there is a separate user role for the report creator in EvaSys. Of course, multiple report creators can be created in the system.

Note:
The reports which the report creator produces are based on the data already captured. That means that first you must implement and evaluate surveys before you can use the report creator.

Fundamental Considerations and Settings

First of all it is important that you carefully consider what insight the report creator should be permitted to have or must have:

- Is the report creator supposed to summarize the data of the entire system? In this case, please note that he can then also view this data. If you decide on this option, you need a system-wide report creator.
- Or, he should only view data subunit-wide? That also means, however, that he cannot produce subunit-comprehensive summary reports, or comparisons, respectively. In this case you should define subunit-wide report creators.
- If your report creator may access several subunits please choose the option “own subunit” in the area „Data access“. Subsequently mark all necessary subunits in the area „Assign additional subunits“. Thus your report creator accesses several subunits. Multiple selections of subunits can be made by pressing and holding down the “Ctrl” key.

As an Administrator, you set this value when creating the relevant user account. As soon as you create a report creator, a particular setting in the user rights (step three of three) allows you to define the report creator as system-wide (system level), subunit groups (own subunit and selection of further subunits) or only subunit-wide (own subunit):

It is crucial to consider what exactly the report creator should be able and allowed to do, in order to subsequently know where and how the report creator be created or whether several are required.

When an administrator or subunit administrator directly adopts the additional role of report creator in his user profile, he also automatically receives the same data access rights as the administrator/subunit administrator himself.

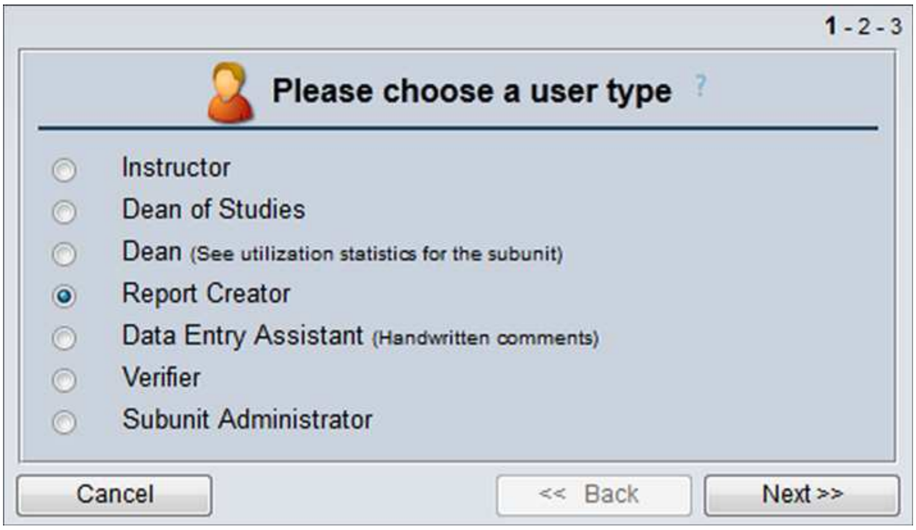
Creating a Report Creator

Just like any other user, a report creator is a user that is created in a subunit.

If your report creator is supposed to work only subunit-wide, you create him in the subunit for which he is to produce summaries. If the report creator works globally, you can create him in any subunit at all since he has insight into all data anyway. For example you can create a subunit “System users” where you put all users, such as the report creator, the data entry assistant, the verifier etc. so as to find them again fast.

Go to the respective subunit and click on [Create New User].

The input window which opens should be familiar to you from creating instructors and other users. In the way you are accustomed, enter the data for the person who will act as report creator. It is crucial that you choose the user type “report creator” (instead of “instructor” and the like):

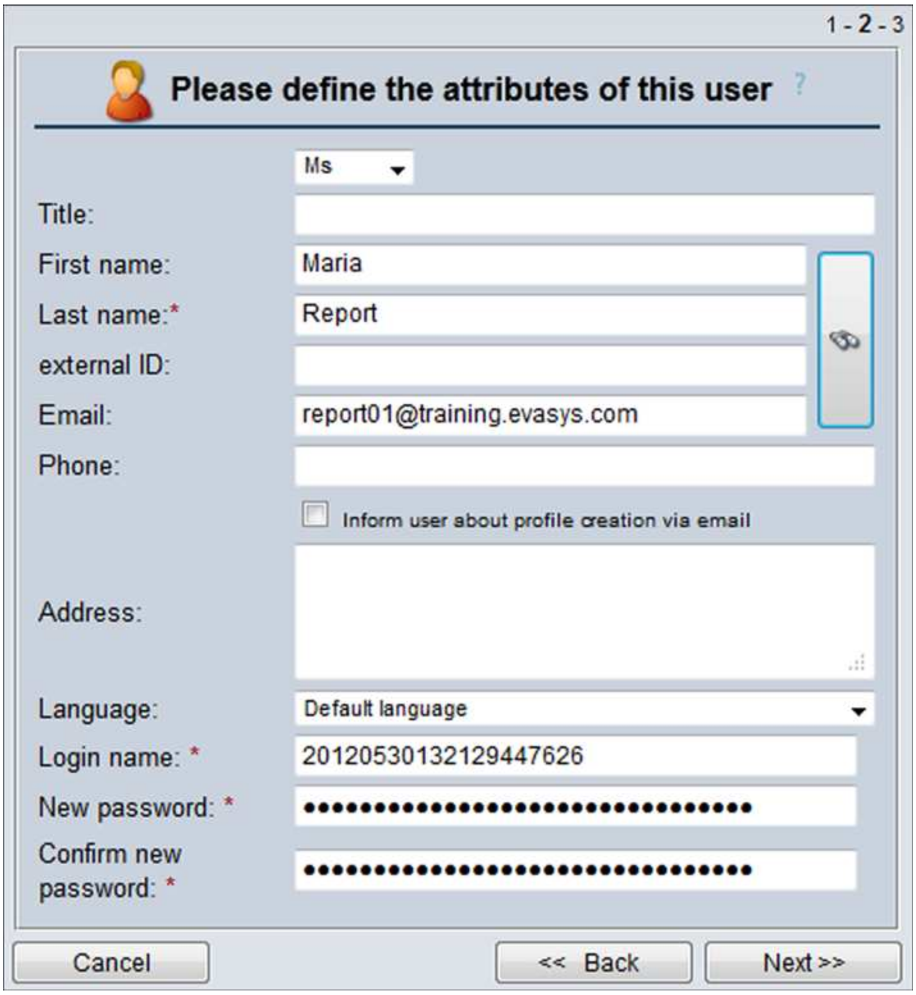


1 - 2 - 3

Please choose a user type

○ Instructor
○ Dean of Studies
○ Dean (See utilization statistics for the subunit)
● Report Creator
○ Data Entry Assistant (Handwritten comments)
○ Verifier
○ Subunit Administrator

Figure 306: Creating a Report Creator – Step 1



Please define the attributes of this user

Ms

Title:

First name: Maria

Last name:* Report

external ID:

Email: report01@training.evasys.com

Phone:

☐ Inform user about profile creation via email

Address:

Language: Default language

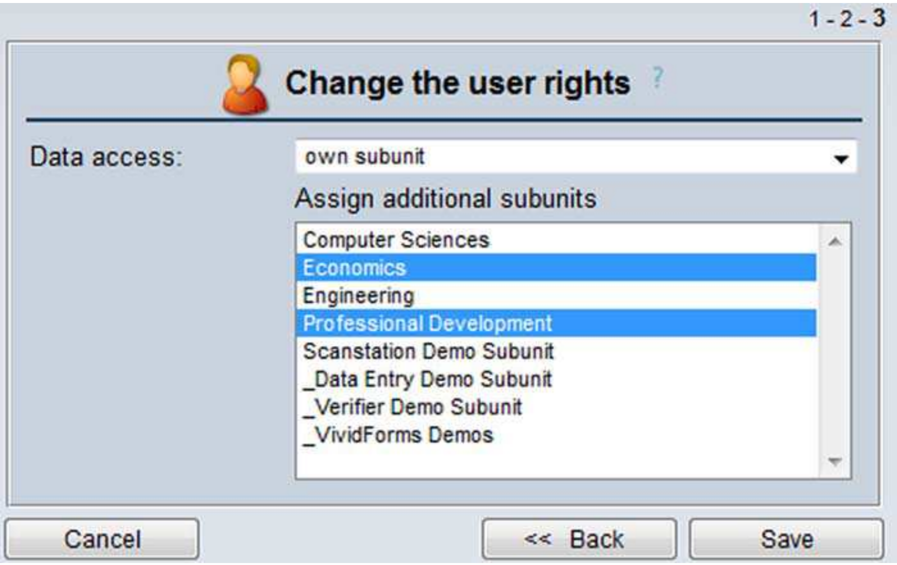
Login name: * 20120530132129447626

New password: * ••••••••••••••••••••••••••••••••

Confirm new password: * ••••••••••••••••••••••••••••••••

Figure 307: Creating a Report Creator – Step 2

In the third step you define the data access of your report creator. By default the report creator only has access subunit-wide. To change the standard setting, choose, at this point, “system level”:


1 - 2 - 3
Change the user rights
Cancel
<< Back
Save

Data access: own subunit

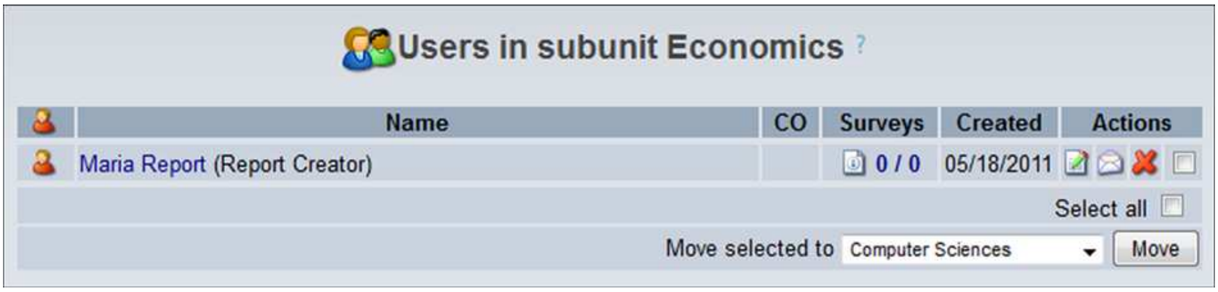
Assign additional subunits

Computer Sciences
Economics
Engineering
Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Verifier Demo Subunit
_VividForms Demos

Figure 308: Creating a Report Creator – Step 3

Note:
As a subunit administrator, you can only assign subunit-wide access to your Report Creator.

As soon as you confirm your input by clicking on [Save], the report creator appears in the user list.


Users in subunit Economics
Select all ☐
Move selected to
Computer Sciences
Move

	Name	CO	Surveys	Created	Actions
	Maria Report (Report Creator)		0 / 0	05/18/2011	☐

Figure 309: Report Creator in the List of all Users

Give the login name and password to the person acting as the report creator. They can then log in. Of course, you can also use this account for yourself.

Login and First Steps

In order to be able to log on as report creator, open the usual EvaSys start page. It looks just like the one shown in the following:

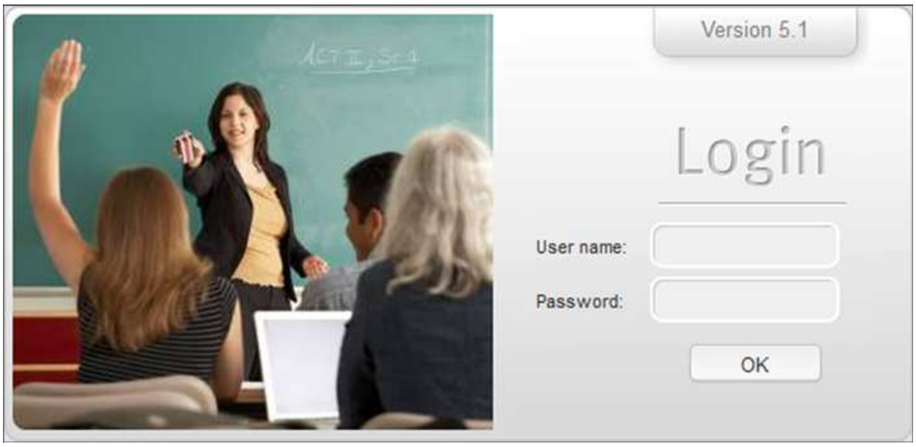


Figure 310: EvaSys Login Window

As soon as you have logged on here, the start screen of the report creator appears, offering you on the left-hand side a menu with various options:

- The option “Reports” allows you to download reports on indicators which give the university management and/or the management of your company an overview of the assessment the courses.
- By the option “My profile” you can change the user data of this report creator access (for example password, language, etc.).
- The utilization statistics give you an overview of the activities of this report creator (for example the number of the log-ins, the created folders, etc.).
- “Deliveries” informs you how many emails the report creator has already sent.
- The field “System Info” gives you an overview of the address data of the organization as well as of the individual subunits.
- Clicking on the option “Send email” opens a page that enables you to send an email to any address.
- The option “Manual” below provides you with further information on EvaSys and the use of the program. Here you have access to the online user manual for all active EvaSys users (explaining the essential points on the user access in a much more compact fashion than the User Guide at hand does.)

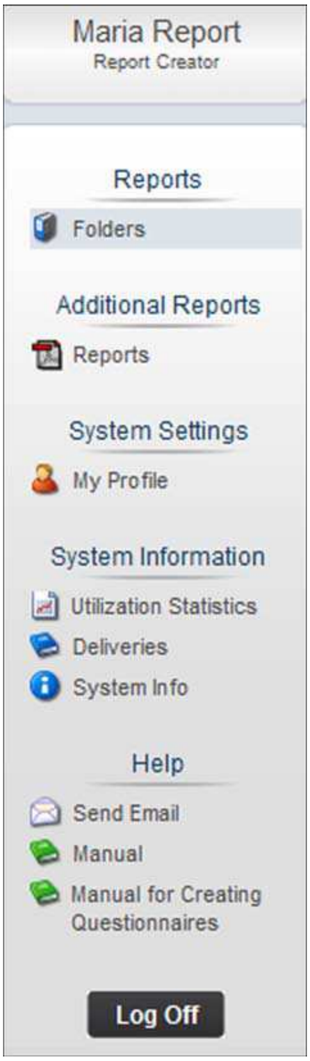

Maria Report
Report Creator
Reports
Folders
Additional Reports
Reports
System Settings
My Profile
System Information
Utilization Statistics
Deliveries
System Info
Help
Send Email
Manual
Manual for Creating Questionnaires
Log Off

Figure 311: Report Creator: Main Menu

If you wish to create summary reports or send out profile lines, this is not possible without a folder. Therefore, you should initially create a new folder by clicking on the button [Create new folder]:

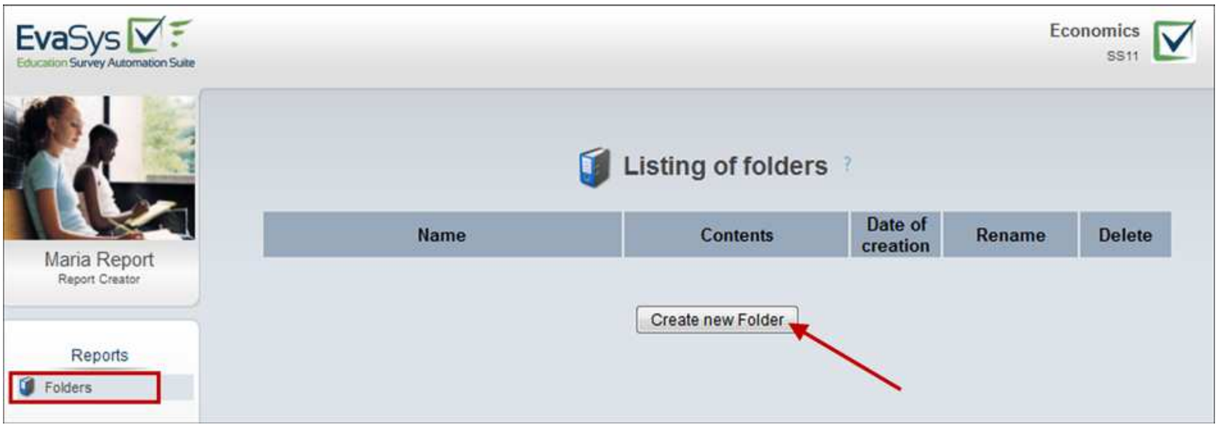
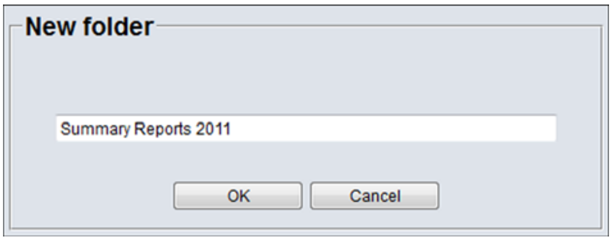

EvaSys
Education Survey Automation Suite
Economics
SS11
Maria Report
Report Creator
Reports
Folders
Listing of folders
Name
Contents
Date of creation
Rename
Delete
Create new Folder

Figure 312: Report Creator: Creating a Folder

After clicking on the button, a window appears in which you can name your folder:

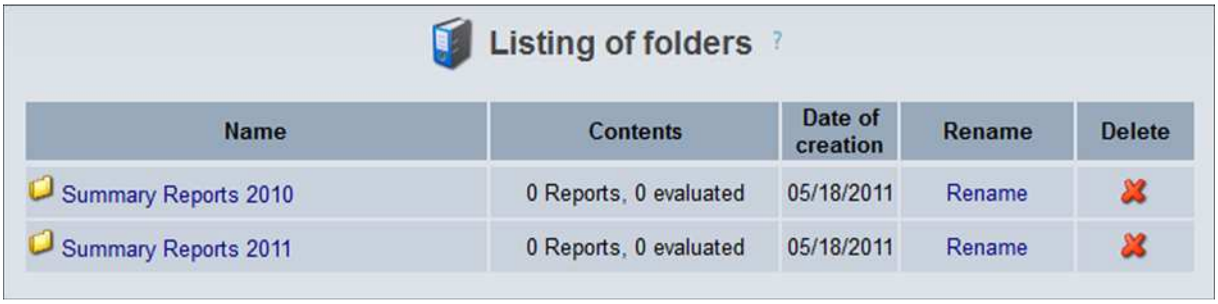


New folder

Summary Reports 2011

Figure 313: Report Creator: Naming the Folder

Here a neutral name was chosen ("General Summaries 2011"). However, according to the type of your summaries planned, you should choose a suitable structure for your folders. You could, for example, arrange the reports according to years and choose names such as "Surveys 2011", etc.:

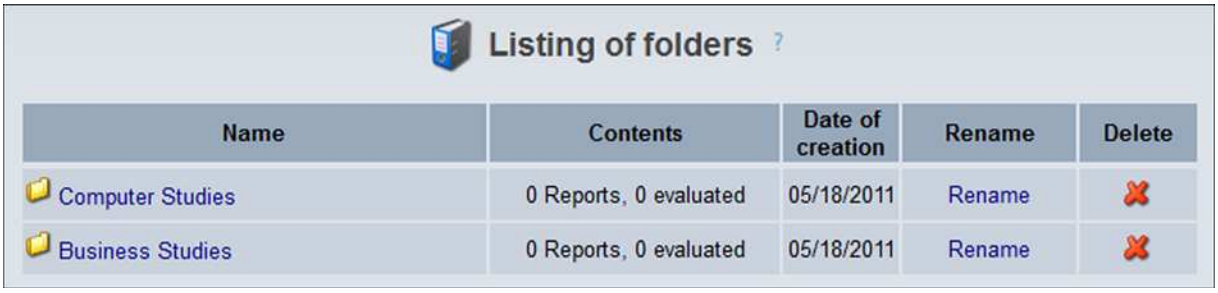


Listing of folders

Name	Contents	Date of creation	Rename	Delete
Summary Reports 2010	0 Reports, 0 evaluated	05/18/2011	Rename	✗
Summary Reports 2011	0 Reports, 0 evaluated	05/18/2011	Rename	✗

Figure 314: Report Creator: Folders structured According to Years

The university's or company's structure also makes for a possible organizational criterion for your folders. It suggests names such as "Reports Business Studies" or something similar:



Listing of folders

Name	Contents	Date of creation	Rename	Delete
Computer Studies	0 Reports, 0 evaluated	05/18/2011	Rename	✗
Business Studies	0 Reports, 0 evaluated	05/18/2011	Rename	✗

Figure 315: Report Creator: Folders Structured Example According to Subunits

Only in a folder can you use the possibilities of the report creator, for example to summarize reports.

The report creator can always move existing reports from one folder to another. To move a report, click on the folder containing the report to be moved. Then, click on the name of the report to be moved. You are automatically switched to the details of your report. Here, click on "Move Compilation". Now the report can

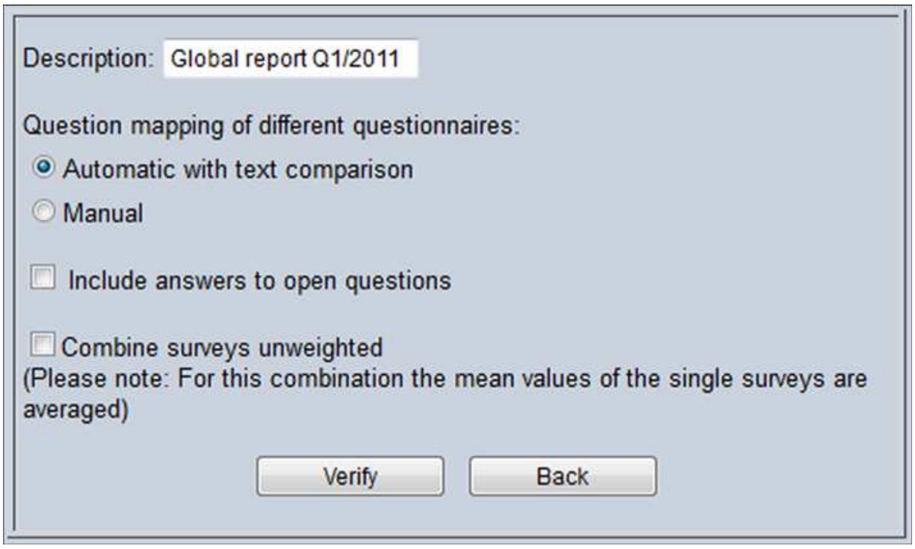
- either be moved to an existing folder, by selecting the relevant folder in the drop-down list in the area "Folders"

- or you create a new folder. Enter the name of the folder in the area “Create in a new folder”.

In both cases, confirm moving the report by clicking on the [OK] button.

5.2.2. General Options during Report Creation

The options during report creation are presented to you as soon as you wish to create a report. You can see them in the figure below the report name (which here reads “Show_Options”):



Description: Global report Q1/2011

Question mapping of different questionnaires:

● Automatic with text comparison

○ Manual

☐ Include answers to open questions

☐ Combine surveys unweighted
(Please note: For this combination the mean values of the single surveys are averaged)

Figure 316: Report Creator: Options During Report Creation

The following options are offered to you:

- Question mapping of different questionnaires: Summary of surveys that were carried out with different questionnaires
  - Options: Automatically with text comparison and manual assignment
  - Condition: the questionnaires are similar and therefore comparable.
- Include answers to open questions
  - Should all responses to open questions be displayed in the summary?
  - The responses to open questions are not always of interest in more extensive summaries since they do not serve the quick overview, but rather they provide details. Furthermore, they may possibly lead to very long reports.
- Selection between weighted and unweighted compilation
  - By default, the reports are summarized weighted, meaning that the calculation is effected according to the number of returns.
  - This means for example: If you summarize a survey with 100 return questionnaires and one with 10, the survey with 100 questionnaires counts for more than the one with 10.

- Mathematically expressed: All individual results are each summed up for each question (each single value that was ticked off) and divided by the total number of results (in this example: 110).
- You explicitly have to decide on an unweighted compilation whilst creating a report. It is to be noted that this type of calculation removes the possibility to adequately undertake further processing in statistics programs.
- Because with weighted compilations, each survey counts as 1, regardless of how many questionnaires have been processed for it.
- Mathematically expressed: You add the respective averages of the questions and divide these by the number of the surveys/reports that you are summarizing (in the example above, therefore, by 2).

Since the questionnaire comparison represents a very important option, whose possibilities can facilitate your work, this is outlined more precisely in the following.

Options during Report Creation – Questionnaire Comparison

There are often cases in which it becomes necessary to modify an existing questionnaire.

Example:

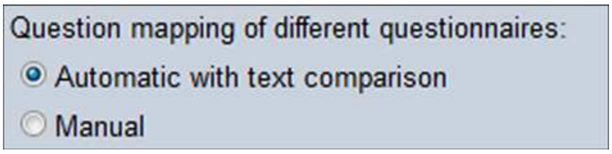
You have been evaluating with one questionnaire for three years. The computer center would like to use the general evaluation and to integrate a question to your questionnaire regarding the equipment of the computer rooms.

Or you have been evaluating with one questionnaire for three years and now the corporate identity of your university/company changes vastly. This also affects names such as “Technical University of Sample City” which is renamed in “University of Applied Sciences Sample City”. Furthermore, the subunits and graduation titles now carry other names (for example “Department Electrical Engineering” instead of “Faculty Electrical Engineering”, “Master” instead of “Diploma” and so on).

These linguistic changes affect of course the questionnaire which must be clearly adjusted.

A questionnaire which has been evaluated can no longer be changed. In these cases you have to copy an existing questionnaire and work on the copy. For information on copying questionnaires see chapter B 2.4.2. "Management of Questionnaires and Detailed View".

After the evaluation with the new questionnaire consideration has to be given as to how one can compare the results with the old reports and/or compile the results of the different reports. The solution is the questionnaire comparison via the option “Question mapping of different questionnaires” in the report creator:



Question mapping of different questionnaires:

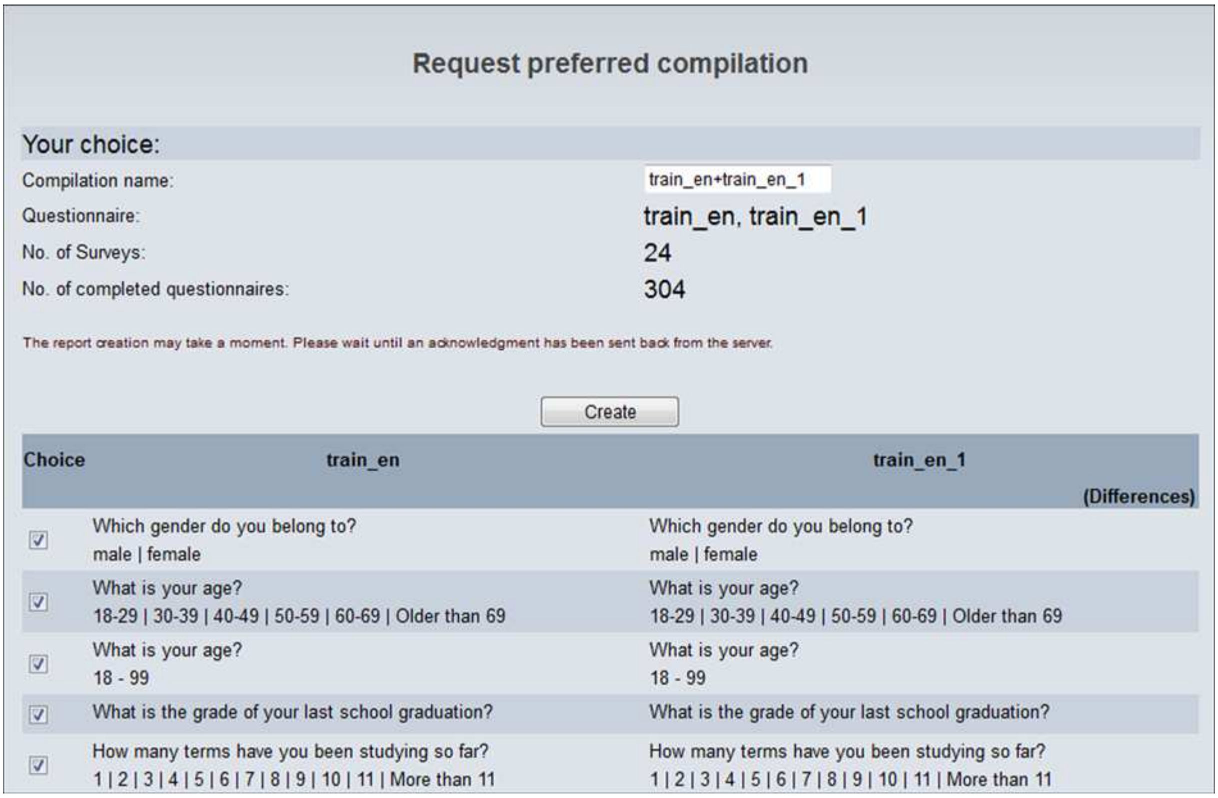
● Automatic with text comparison

○ Manual

Figure 317: Report Creator: Question Mapping of Different Questionnaires

Whenever you compile reports that are based on different questionnaires, here you must select whether to have the questionnaires compared automatically or want to assign them manually. In either case it is important that the questionnaires are comparable, meaning that they are similar:

- The automatic assignment is advisable when the questionnaires are nearly identical – for example when only one question was added (such as in the first example).
  - The questionnaires are compared with each other by pure string comparison. (In computer science, a “string” is a sequence of letters and special characters, i.e. a character string.) EvaSys thus lays the character strings over one another and checks them for identity.
  - Decisive is, therefore, the number of different characters in the questions and the level of marking.
  - When you choose “Automatic with text comparison” a page opens where you can view the result of the text comparison. The left questionnaire is the “basis questionnaire”, the wording of which is carried over into the report:



Request preferred compilation

Your choice:

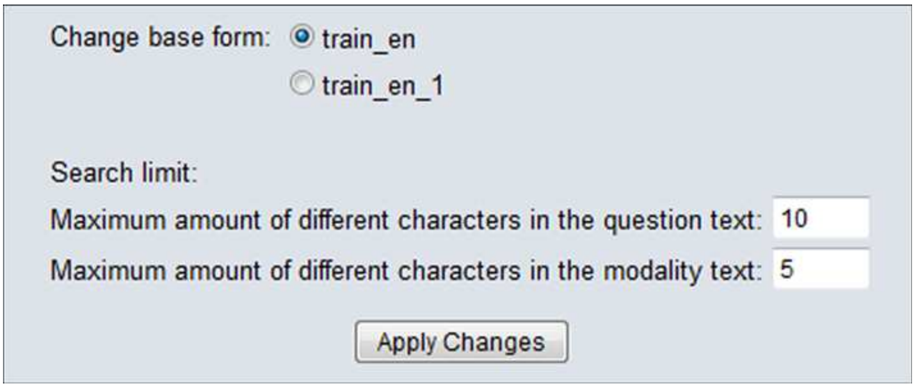
Compilation name:	train_en+train_en_1
Questionnaire:	train_en, train_en_1
No. of Surveys:	24
No. of completed questionnaires:	304

The report creation may take a moment. Please wait until an acknowledgment has been sent back from the server.

Choice	train_en	train_en_1 (Differences)
☑	Which gender do you belong to? male | female	Which gender do you belong to? male | female
☑	What is your age? 18-29 | 30-39 | 40-49 | 50-59 | 60-69 | Older than 69	What is your age? 18-29 | 30-39 | 40-49 | 50-59 | 60-69 | Older than 69
☑	What is your age? 18 - 99	What is your age? 18 - 99
☑	What is the grade of your last school graduation?	What is the grade of your last school graduation?
☑	How many terms have you been studying so far? 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | More than 11	How many terms have you been studying so far? 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | More than 11

Figure 318: Report Creator: Automatic Questionnaire Comparison (Overview)

  - On the bottom of the page you can change the basis questionnaire.
  - Furthermore, you can specify by how many characters the questions and/or the modality text (texts describing the check mark boxes) can vary:



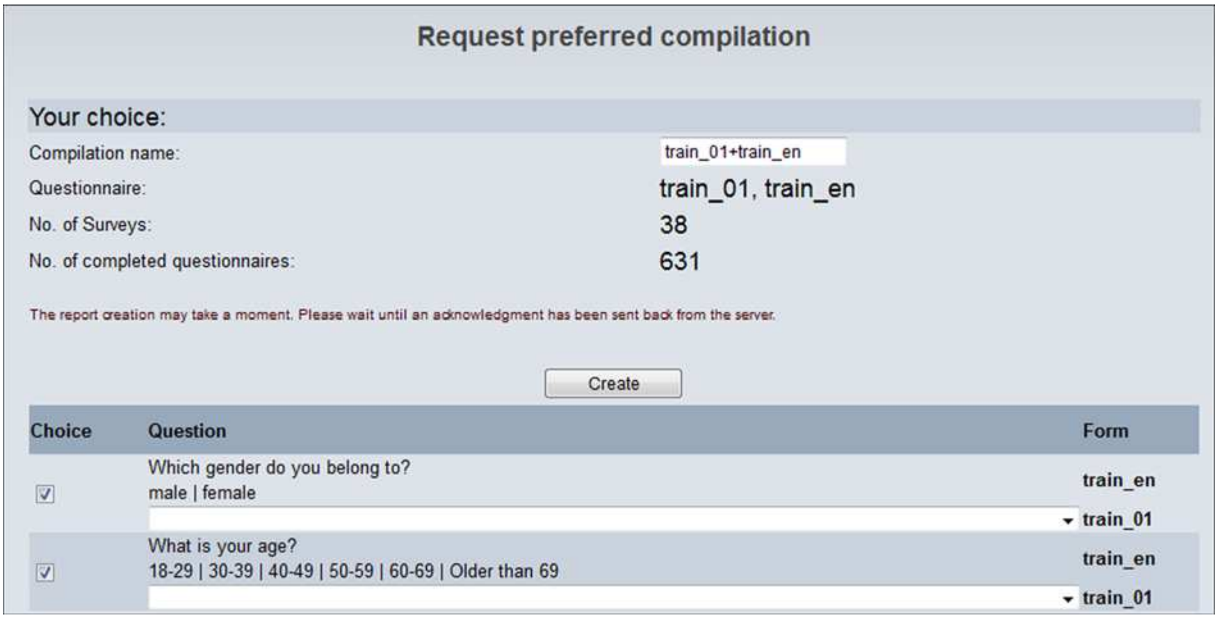
Change base form: ● train_en
○ train_en_1

Search limit:
Maximum amount of different characters in the question text: 10
Maximum amount of different characters in the modality text: 5

Figure 319: Report Creator: Define Base Questionnaire/Number of Different Characters

  - Please note: Additional questions are of course not included in the total report because they cannot be compared to questions from the comparative questionnaire.

- You should opt for manual assignment when the questionnaires differ greatly, so that a string comparison cannot turn out any similarities (as in the second example).
  - If you choose this option, the questions on the manual assignment are presented to you in the following screen. The drop-down menu of each question presents you with the possible questions which you could select as an appropriate counterpart:



Request preferred compilation

Your choice:
Compilation name: train_01+train_en
Questionnaire: train_01, train_en
No. of Surveys: 38
No. of completed questionnaires: 631

The report creation may take a moment. Please wait until an acknowledgment has been sent back from the server.

Choice	Question	Form
☑	Which gender do you belong to? male | female	train_en train_01
☑	What is your age? 18-29 | 30-39 | 40-49 | 50-59 | 60-69 | Older than 69	train_en train_01

Figure 320: Report Creator: Manual Questionnaire Comparison

  - Here you can also define a base questionnaire at the end of the page.

5.2.3. Creating Summary Reports

The report creator has several options to process data. One of them is the creation of summary reports. This report creation is extremely flexible, you can create reports according to all imaginable criteria, summarizing these afterwards again and also taking the created reports apart again according to criteria defined by yourself. You will see that in this way the report creator answers many questions and accommodates numerous requirements.

It is important to know that the reports of the report creator have the same properties as the reports which you are familiar with from the automatically generated PDF reports:

- The analyses on the single questions of your questionnaire look the same, for example a bar diagram for the single choice and multiple choice questions, (depending on the setting) a histogram for the scaled questions, the handwritten and/or typed comments on the open questions and so forth.
- The elements which the administrator has set in the menu “System Settings/ Report Settings/Configuration” also appear in these reports. The exception is the letter which the report creator does not produce.
- If for relevant questionnaires extended PDF report definitions or multilingual questionnaires exist, these settings also apply to the summary reports (that are produced for the respective questionnaire). This means that you can also download an adjusted and/or multilingual report.

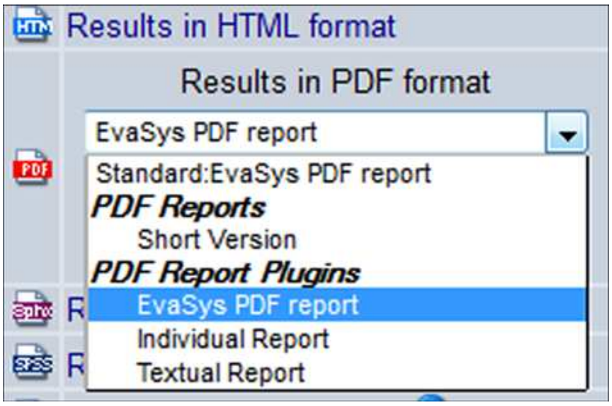

Results in HTML format
Results in PDF format
EvaSys PDF report
Standard:EvaSys PDF report
PDF Reports
Short Version
PDF Report Plugins
EvaSys PDF report
Individual Report
Textual Report

Figure 321: Report Creator: Report Selection

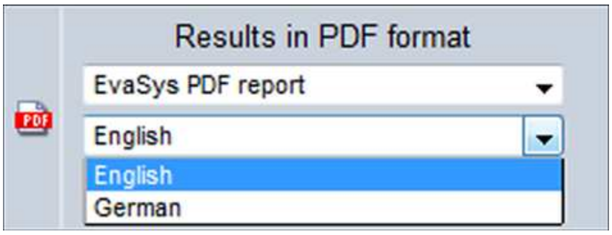

Results in PDF format
EvaSys PDF report
English
English
German

Figure 322: Report Creator: Multilingual Reports

- Also the usual export options are available (CSV, Sphinx and SPSS).

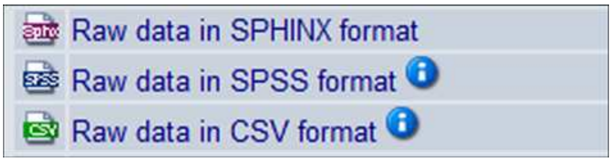


Figure 323: Report Creator: Export Options

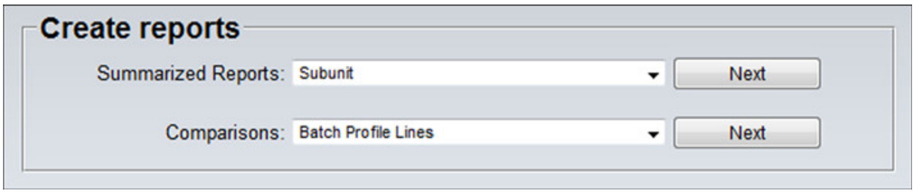
The summary reports give you – unlike the usual automatically produced PDF reports – an overview of your evaluated data. Because depending on your choice, a summary report is generated for a subunit, for an instructor, for a course of studies etc. This report looks just like the automatically produced PDF report, yet it provides you with information on the corresponding assessment results of entire subunits, etc.

5.2.4. Kinds of comprising Reports

There are four different types of summary reports available to you:

- Subunit reports
- Program of study reports
- Reports for particular instructors (“Instructor Profile”)
- Reports that you can put together as you like (“Any Compilation”)

You see these options as soon as you click on the folder (and thus open it):


Create reports

Summarized Reports: Subunit

Comparisons: Batch Profile Lines

Figure 324: Report Creator: Create Reports

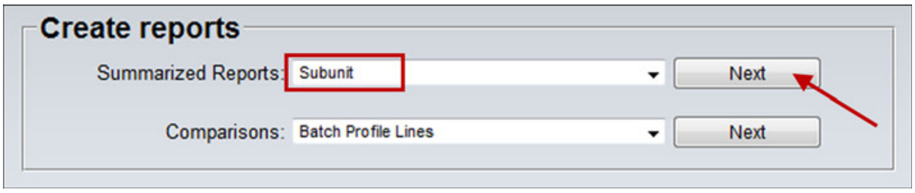
The upper drop-down menu provides a list of all different types of summary reports. The lower drop-down menu allows to access the batch profile lines, which can be used to compare different reports and surveys with each other. The batch profile line dispatch is dealt with in the chapter on summary reports. It is not a type of report.

For the creation of the different reports you must make a selection in several fields. This affects report-specific fields, also for all of them the type of course and the questionnaire must be selected (multiple selection is possible).

Please note:
For reasons of search comfort, only the values for which surveys exist in the system are displayed. For example, the subunit “Business Studies” is only then offered for selection if you have already created a survey in this subunit and have scanned data.

Subunit Report

A subunit report is the summary of the survey results for a specific subunit and a specific semester:



Create reports

Summarized Reports: Subunit

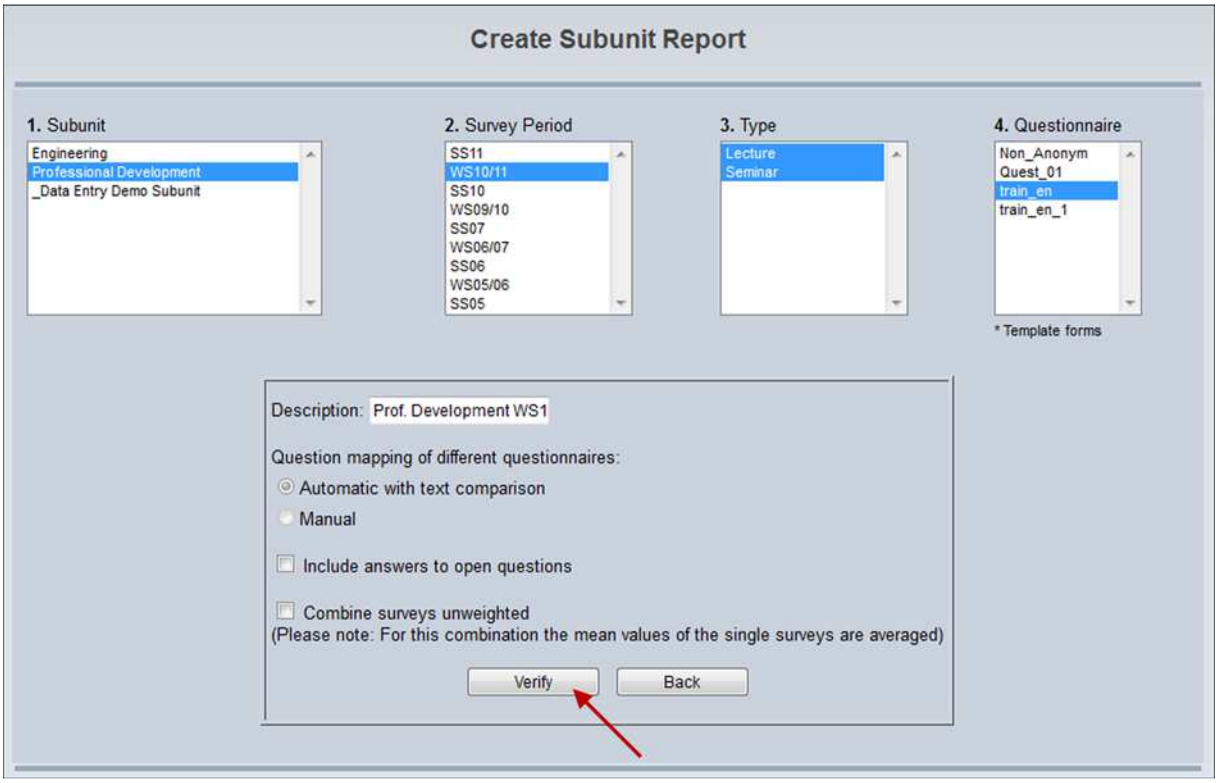
Comparisons: Batch Profile Lines

Figure 325: Report Creator: Create Subunit Report

Choose the option “Subunit” from the drop-down list. If you click the button [Next]. Now four fields are presented to you in which you can select a subunit, a survey period, a course type (or even several types) and a questionnaire (or several questionnaires):

In the figure below, the subunit report is created based on one questionnaire. If several questionnaires are displayed for the selection in the list, you can mark these; then, however, you must decide to either go with the automatic text comparison or with the manual assignment, in order to combine the reports.

Give the report a relevant name so that later you are able to relate to what was summarized and make a selection regarding the open questions and the weighting of the surveys that you compile.



Create Subunit Report

1. Subunit
   - Engineering
   - Professional Development
   - _Data Entry Demo Subunit
2. Survey Period
   - SS11
   - WS10/11
   - SS10
   - WS09/10
   - SS07
   - WS06/07
   - SS06
   - WS05/06
   - SS05
3. Type
   - Lecture
   - Seminar
4. Questionnaire
   - Non_Anonym
   - Quest_01
   - train_en
   - train_en_1

* Template forms

Description: Prof. Development WS1

Question mapping of different questionnaires:

● Automatic with text comparison

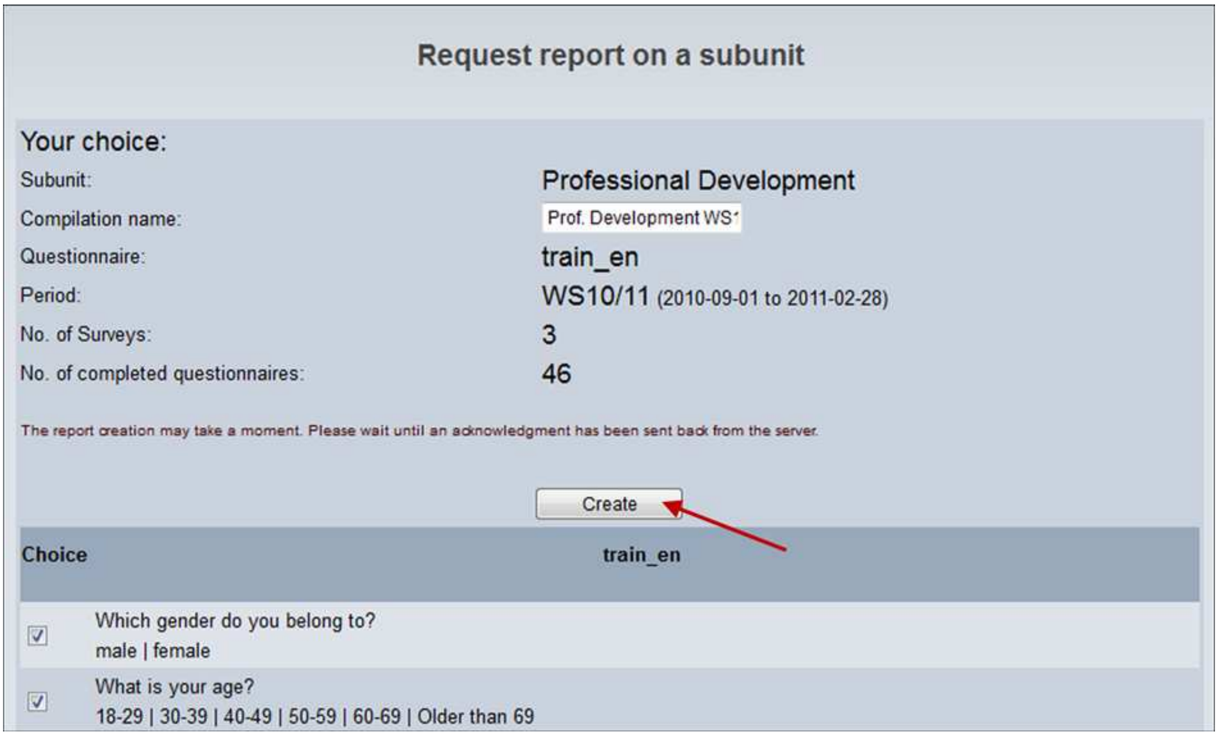
○ Manual

☐ Include answers to open questions

☐ Combine surveys unweighted
(Please note: For this combination the mean values of the single surveys are averaged)

Figure 326: Report Creator: Subunit Report: Selection of Elements and Properties

As soon as you click on [Verify], EvaSys calculates how many surveys suit your selection. In another window you are again informed of the details of the summary before you actually produce the report:



Request report on a subunit

Your choice:

Subunit:	Professional Development
Compilation name:	Prof. Development WS1
Questionnaire:	train_en
Period:	WS10/11 (2010-09-01 to 2011-02-28)
No. of Surveys:	3
No. of completed questionnaires:	46

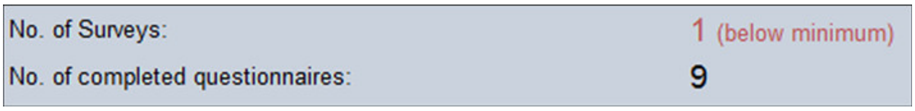
The report creation may take a moment. Please wait until an acknowledgment has been sent back from the server.

Choice	train_en
☑	Which gender do you belong to? male | female
☑	What is your age? 18-29 | 30-39 | 40-49 | 50-59 | 60-69 | Older than 69

Figure 327: Report Creator: Subunit Report: Final Overview

Here you can check once again which subunit you selected, what the report will be called, and based on which questionnaire it will be created. Furthermore, the selected survey period appears here again with the precise data defined by the administrator. You can see how many surveys meet your selected criteria and to how many return responses it applies (meaning completed questionnaires).

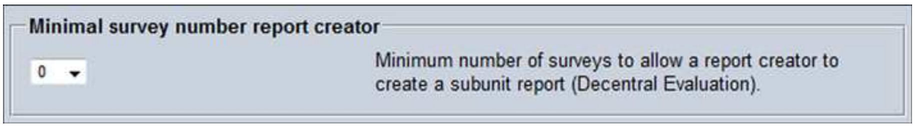
Hint:
If you would like to test the report creator and have only very few surveys running in your system, a warning message may appear here and you do not have the possibility to produce a summary report:



No. of Surveys:	1 (below minimum)
No. of completed questionnaires:	9

Figure 328: Report Creator: Number of Surveys below the Minimum Number

In this case, please inform your EvaSys administrator. For testing purposes, he can change in the EvaSys Settings under “System Settings/EvaSys Settings/Functions” the option “Minimum survey number report creator” (by setting it to 0):



Minimal survey number report creator

0

Minimum number of surveys to allow a report creator to create a subunit report (Decentral Evaluation).

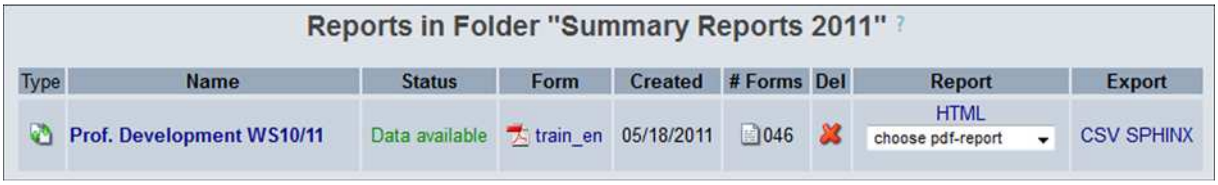
Figure 329: Administrator Login: System Settings/EvaSys Settings/Functions – “Minimal survey number report creator”

This way the message no longer appears and you can create the test reports.

Amongst the general information on the summary report you will find a listing of the questions of the related questionnaire. Here you can deactivate selection boxes as required and thus exclude questions from the summary report.

When all properties are selected correctly, you click on the button [Create] and the report is produced. Please note that depending on the data quantity the processing may take up to several minutes.

After the creation of the subunit report the folder view appears again, the list of the reports is however now complemented with the subunit report:



Reports in Folder "Summary Reports 2011"

Type	Name	Status	Form	Created	# Forms	Del	Report	Export
	Prof. Development WS10/11	Data available	train_en	05/18/2011	046	✗	HTML choose pdf-report	CSV SPHINX

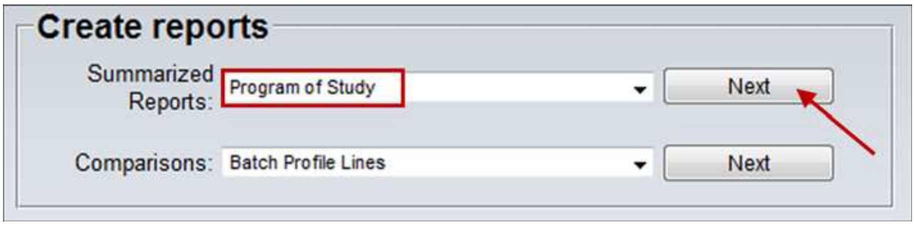
Figure 330: Report Creator: Subunit Report in the Folder

Program of Study Report

In the same way you can produce a summary for a program of study, a particular semester and selected course types and questionnaires.

Just a little reminder: A program of study differs from the usual structure of the subunits and interviewer and/or instructors. Because it is positioned perpendicular to the subunits and allows you to assign courses, that are created in a subunit, additionally to a program of study. So you could for example assign courses of the departments of chemistry and physics (additional) to the program of study “nuclear physics”.

To create a program of study report, choose the option “Program of Study” from the drop-down list and click the button [Next].



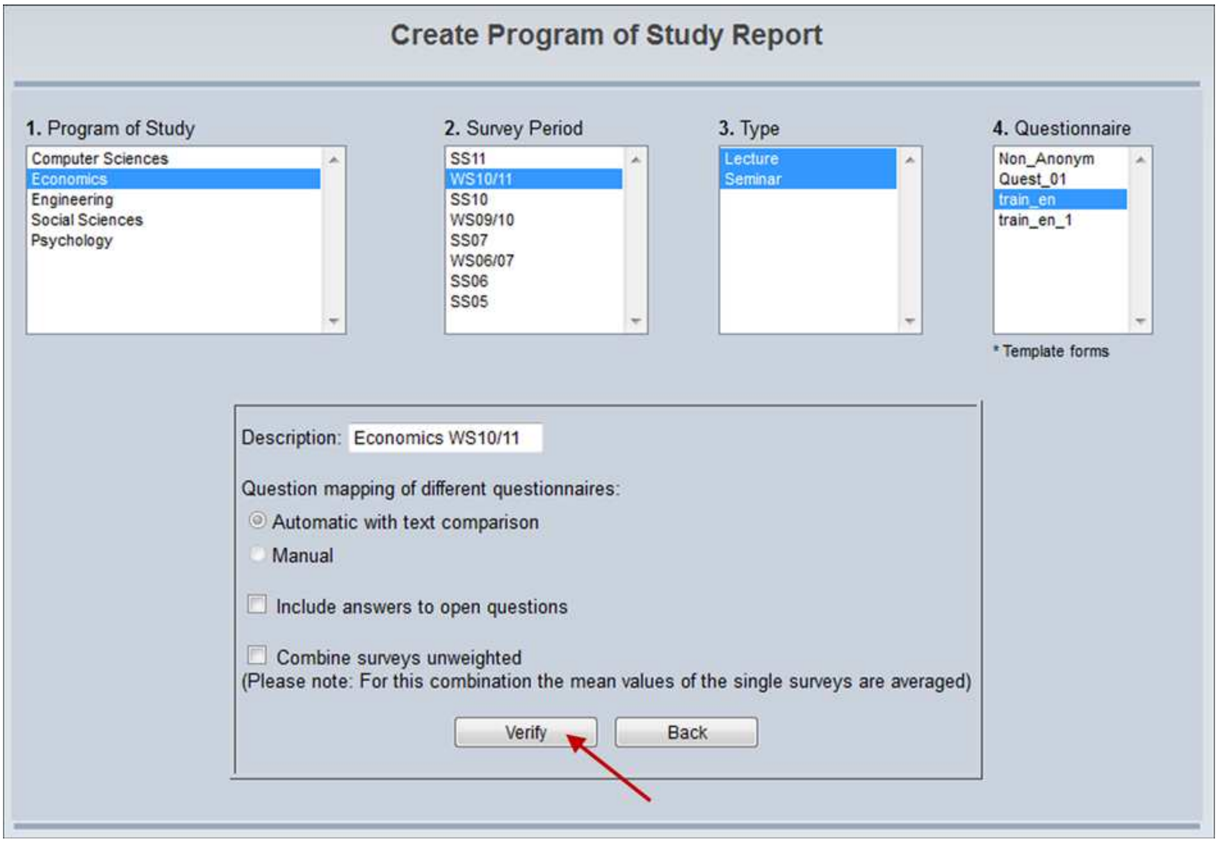
Create reports

Summarized Reports: Program of Study

Comparisons: Batch Profile Lines

Figure 331: Report Creator: Creating a Program of Study Report

Choose the program of study, the period, the course type as well as the questionnaire in the window that appears. Also the usual options – questionnaire comparison, display of open questions, creation of an unweighted report – are available to you.



Create Program of Study Report

1. Program of Study
Computer Sciences
Economics
Engineering
Social Sciences
Psychology

2. Survey Period
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
SS05

3. Type
Lecture
Seminar

4. Questionnaire
Non_Anonym
Quest_01
train_en
train_en_1

* Template forms

Description: Economics WS10/11

Question mapping of different questionnaires:
● Automatic with text comparison
○ Manual

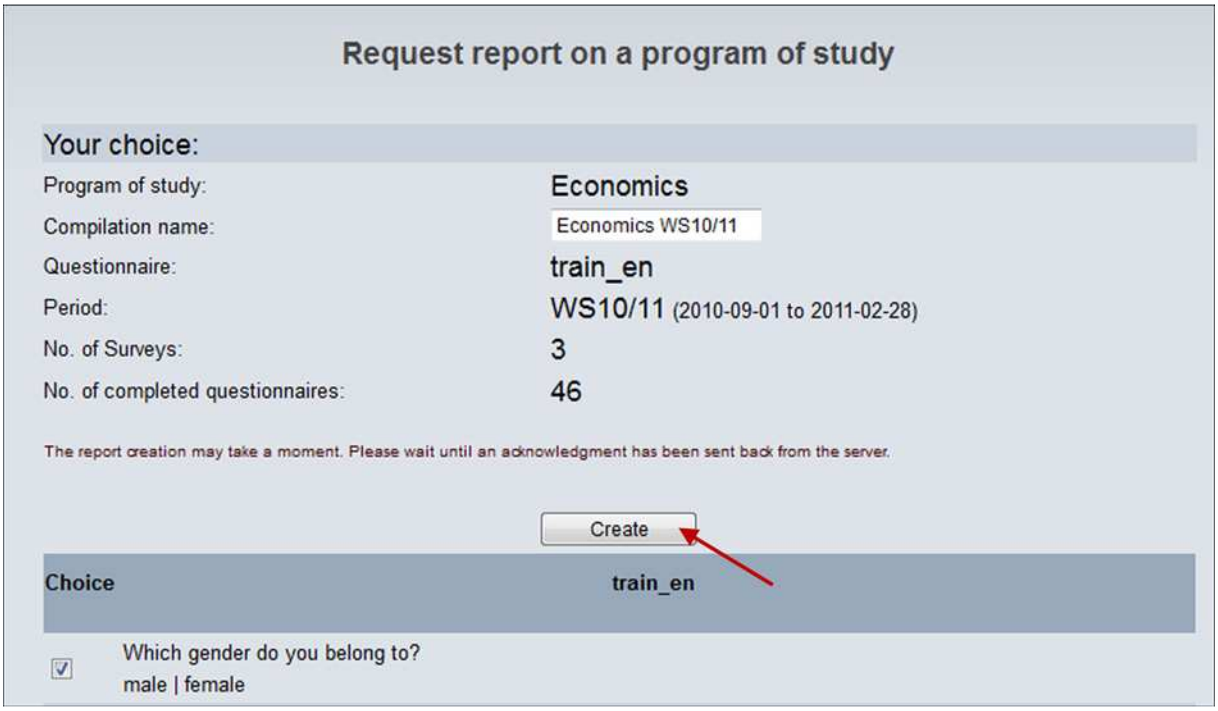
☐ Include answers to open questions

☐ Combine surveys unweighted
(Please note: For this combination the mean values of the single surveys are averaged)

Figure 332: Report Creator: Program of Study Report: Selection of Elements

Except for the selection of the program of study this window largely corresponds to what is presented to you during the creation of a subunit report.

In the same way the information windows resemble one another prior to the actual generation of the report. Here you once again receive detailed information on the report that you create, you can again exclude single questions from the report and create the report via [Create].



Request report on a program of study

Your choice:

Program of study: Economics

Compilation name: Economics WS10/11

Questionnaire: train_en

Period: WS10/11 (2010-09-01 to 2011-02-28)

No. of Surveys: 3

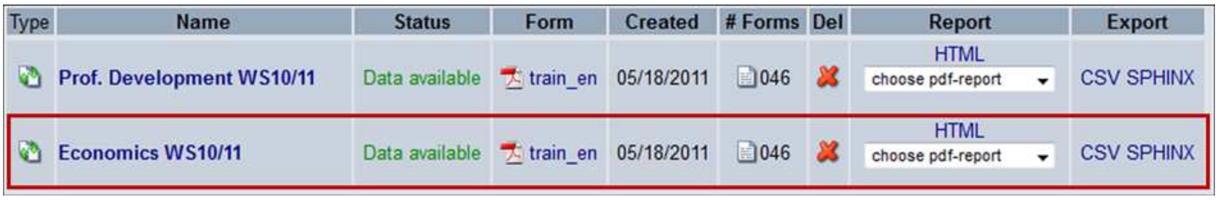
No. of completed questionnaires: 46

The report creation may take a moment. Please wait until an acknowledgment has been sent back from the server.

☑ Which gender do you belong to?
male | female

Figure 333: Report Creator: Program of Study Report: Overview of the Selection made and the Questionnaire

Then the report is added to the report list:

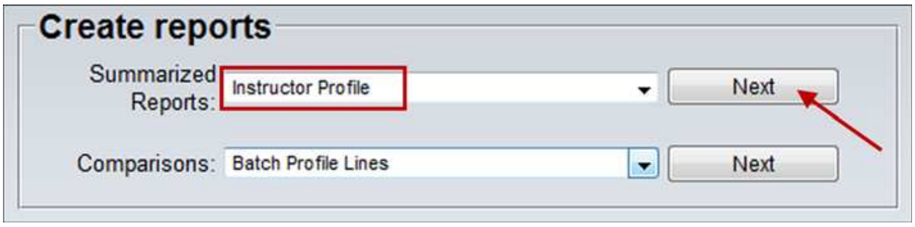


Type	Name	Status	Form	Created	# Forms	Del	Report	Export
	Prof. Development WS10/11	Data available	train_en	05/18/2011	046	✗	HTML choose pdf-report	CSV SPHINX
	Economics WS10/11	Data available	train_en	05/18/2011	046	✗	HTML choose pdf-report	CSV SPHINX

Figure 334: Report Creator: Program of Study Report in the List of Reports

Instructor Profile

The option “Instructor Profile” allows all surveys of an instructor to be periodically summarized into reports. To create an instructor profile, choose the option “Instructor Profile” from the drop-down list and click the button [Next].



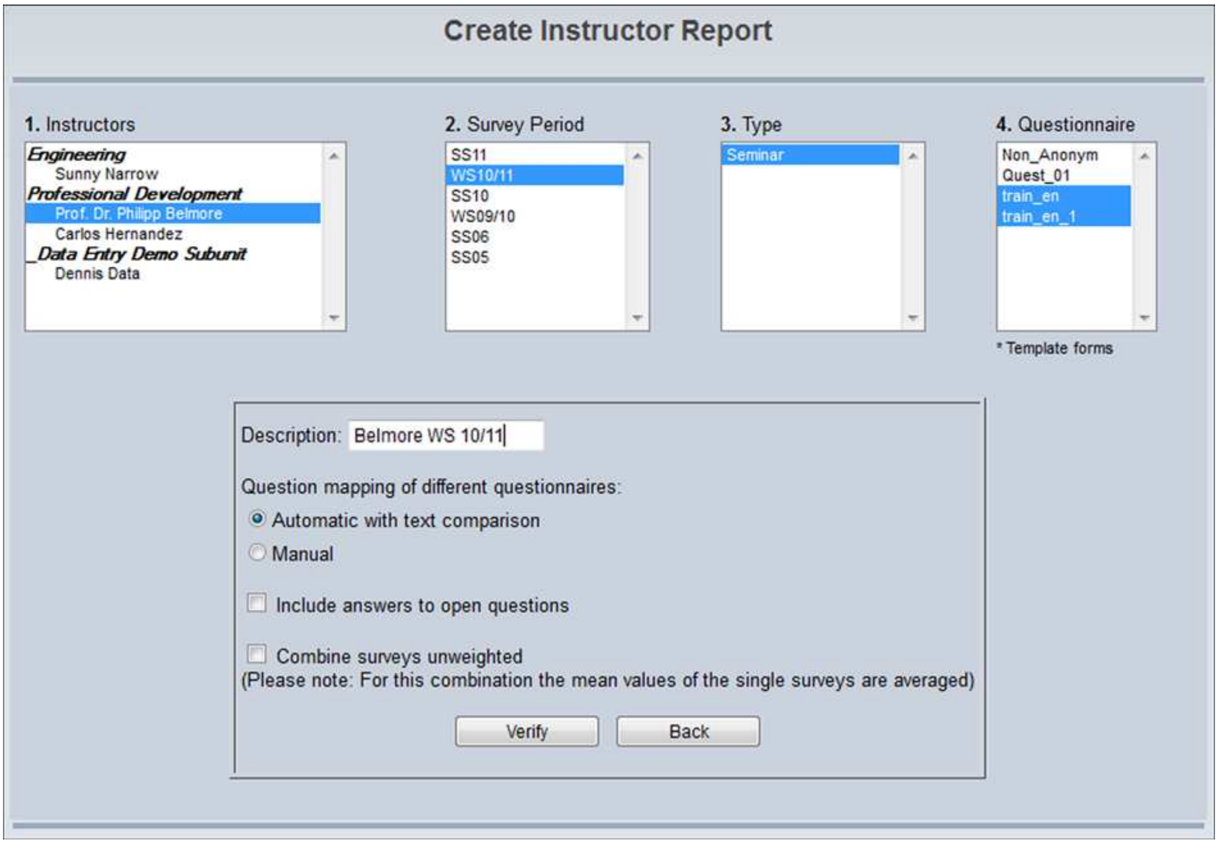
Create reports

Summarized Reports: Instructor Profile

Comparisons: Batch Profile Lines

Figure 335: Report Creator: Creating an Instructor Profile

From the instructor list sorted according to subunits, select an instructor and a survey period as well as the required course types and questionnaires. Then you should enter a relevant name (in the example “Prof. Sunny Narrow SS07”), activate the usual options as per your wishes and click on [Verify]:



Create Instructor Report

1. Instructors

Engineering
Sunny Narrow
Professional Development
Prof. Dr. Philipp Belmore
Carlos Hernandez
_Data Entry Demo Subunit
Dennis Data

2. Survey Period

SS11
WS10/11
SS10
WS09/10
SS06
SS05

3. Type

Seminar

4. Questionnaire

Non_Anonym
Quest_01
train_en
train_en_1

* Template forms

Description: Belmore WS 10/11

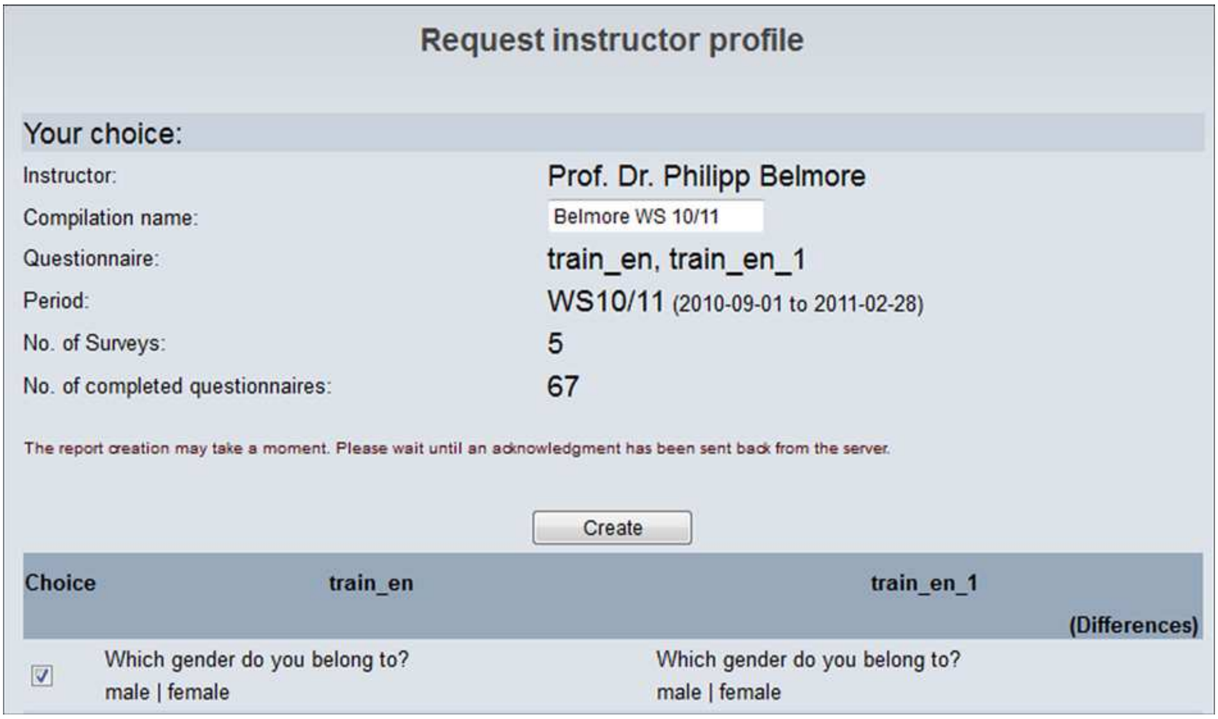
Question mapping of different questionnaires:
● Automatic with text comparison
○ Manual

☐ Include answers to open questions

☐ Combine surveys unweighted
(Please note: For this combination the mean values of the single surveys are averaged)

Figure 336: Report Creator: Instructor Profile: Selection of Elements

The window known from other report types opens for the overview of the report that you create:



Request instructor profile

Your choice:

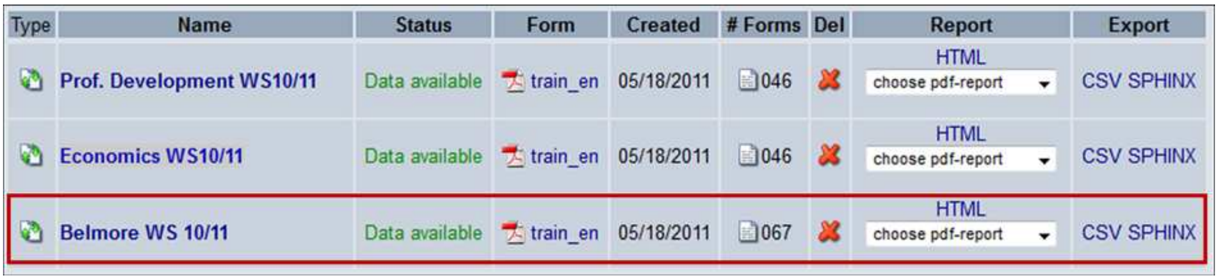
Instructor: Prof. Dr. Philipp Belmore
Compilation name: Belmore WS 10/11
Questionnaire: train_en, train_en_1
Period: WS10/11 (2010-09-01 to 2011-02-28)
No. of Surveys: 5
No. of completed questionnaires: 67

The report creation may take a moment. Please wait until an acknowledgment has been sent back from the server.

Choice	train_en	train_en_1 (Differences)
☑	Which gender do you belong to? male | female	Which gender do you belong to? male | female

Figure 337: Report Creator: Instructor Profile: Overview of the Selection made and the Questionnaire

Here you deactivate the questions that you do not need in the instructor report and click on [Create]. In turn, this report also appears in the list:



Type	Name	Status	Form	Created	# Forms	Del	Report	Export
	Prof. Development WS10/11	Data available	train_en	05/18/2011	046	✗	HTML choose pdf-report	CSV SPHINX
	Economics WS10/11	Data available	train_en	05/18/2011	046	✗	HTML choose pdf-report	CSV SPHINX
	Belmore WS 10/11	Data available	train_en	05/18/2011	067	✗	HTML choose pdf-report	CSV SPHINX

Figure 338: Report Creator: Instructor Profile in the Report List

Any Compilation

The option “Any Compilation” is completely flexible, you can freely select which elements you wish to combine. Unlike the other report types it is therefore possible to make a multiple choice in the individual selection fields such as subunit, period, etc.

Example:

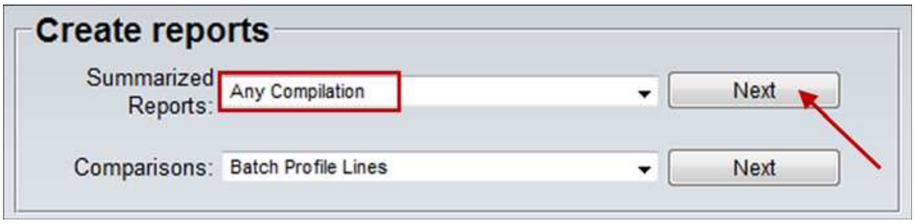
You could, for example, summarize the reports for two courses that are held by two different instructors, for example for Donna Harwood the lecture on Web Design, and for Carlos Hernandez on the New Economy. Of course the courses can also belong to completely different subunits.

Or you summarize everything that you have ever evaluated in order to receive an overview of the assessment of your university or your company.

Or you summarize the reports of all courses assigned to the course type “Excursion” in order to receive an overview of the assessment of the study excursions.

These are only a few possibilities – as previously mentioned, in the central evaluation you can freely combine options. For technical reasons, surveys of active users cannot be summarized by means of “Any Compilation”.

To create a report which combines freely definable elements, choose the option “Any Compilation” from the drop-down list and click the button [Next].

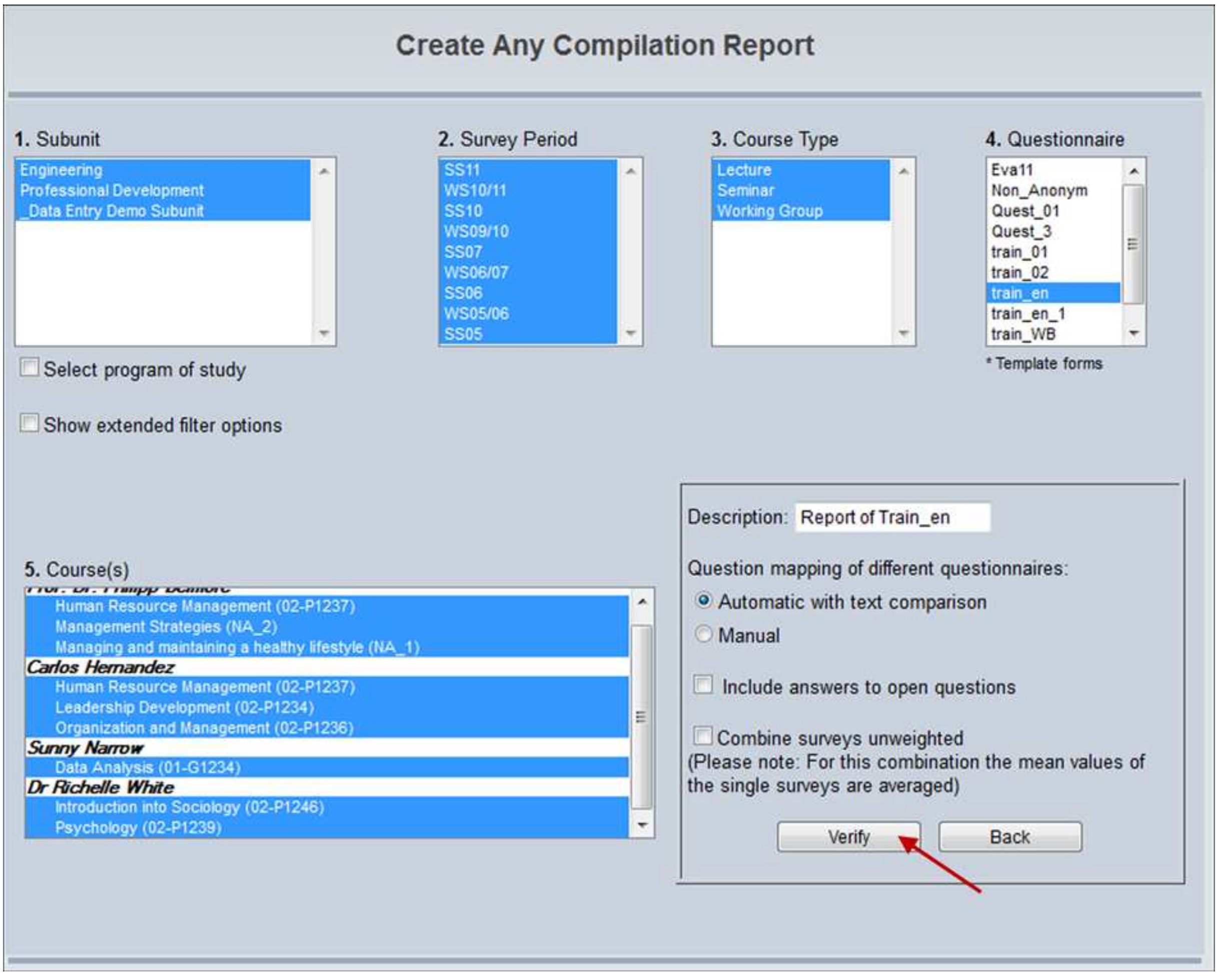

Create reports

Summarized Reports: Any Compilation

Comparisons: Batch Profile Lines

Figure 339: Report Creator: Create Any Compilation

The window which then opens offers you the usual selection. Here you can mark several elements by simultaneously pressing with the mouse and the [Ctrl]-key. In the following example a “ReportOfAll/Engineering” is produced, which is a summary of all surveys that have been conducted so far. The questionnaires “Demo2” and “Demo2A” do not differ considerably from one another and are, therefore, suitable for such a compilation:


Create Any Compilation Report
1. Subunit
Engineering
Professional Development
_Data Entry Demo Subunit
2. Survey Period
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06
SS05
3. Course Type
Lecture
Seminar
Working Group
4. Questionnaire
Eva11
Non_Anonym
Quest_01
Quest_3
train_01
train_02
train_en
train_en_1
train_WB
* Template forms
5. Course(s)
Human Resource Management (02-P1237)
Management Strategies (NA_2)
Managing and maintaining a healthy lifestyle (NA_1)
Carlos Hernandez
Human Resource Management (02-P1237)
Leadership Development (02-P1234)
Organization and Management (02-P1236)
Sunny Narrow
Data Analysis (01-G1234)
Dr Richelle White
Introduction into Sociology (02-P1246)
Psychology (02-P1239)
Verify
Back

☐ Select program of study

☐ Show extended filter options

Description: Report of Train_en

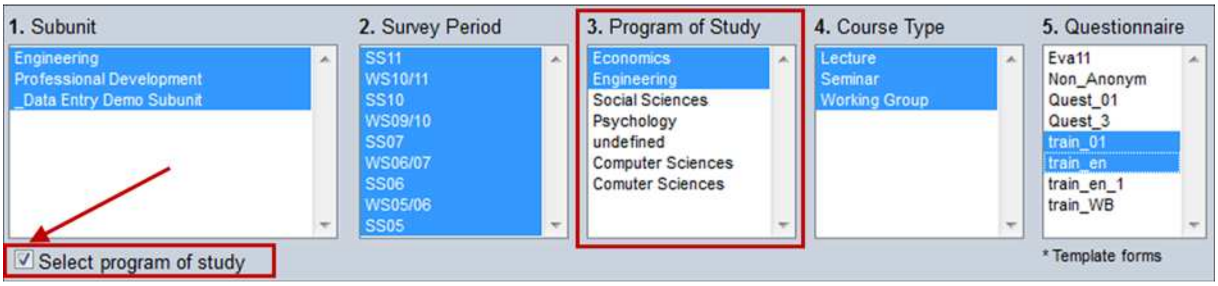
Question mapping of different questionnaires:
● Automatic with text comparison
○ Manual

☐ Include answers to open questions

☐ Combine surveys unweighted
(Please note: For this combination the mean values of the single surveys are averaged)

Figure 340: Report Creator: Any Compilation: Selection of Elements

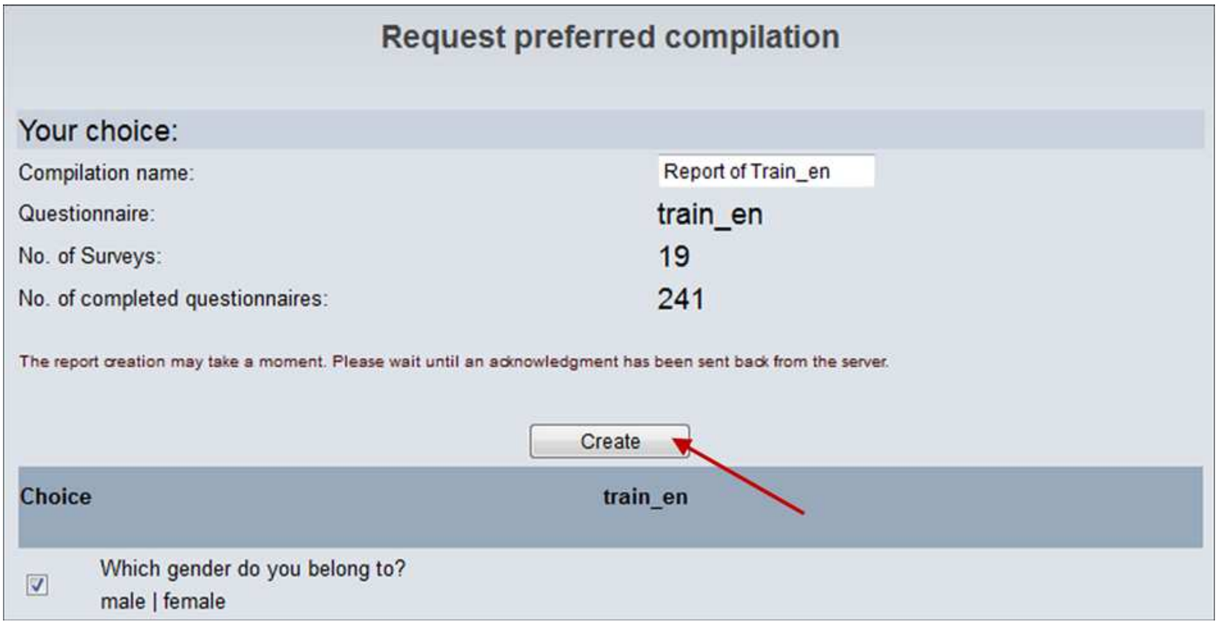
If you wish to additionally filter the courses according to programs of study activate the option “Select program of study”. In addition to the existing selection fields (subunit, survey period, course type, questionnaire and course(s), the field “Program of study” appears in third place. In this field you can select one or several programs of study:


1. Subunit
Engineering
Professional Development
_Data Entry Demo Subunit
2. Survey Period
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06
SS05
3. Program of Study
Economics
Engineering
Social Sciences
Psychology
undefined
Computer Sciences
Comuter Sciences
4. Course Type
Lecture
Seminar
Working Group
5. Questionnaire
Eva11
Non_Anonym
Quest_01
Quest_3
train_01
train_en
train_en_1
train_WB
* Template forms

☑ Select program of study

Figure 341: Report Creator: Any Compilation: Selecting the Program of Study

When you click on [Verify] after selecting the elements, a small overview of the questionnaire is provided – or, if there are several questionnaires as in this case, an overview with a questionnaire comparison is provided:



Request preferred compilation

Your choice:

Compilation name: Report of Train_en

Questionnaire: train_en

No. of Surveys: 19

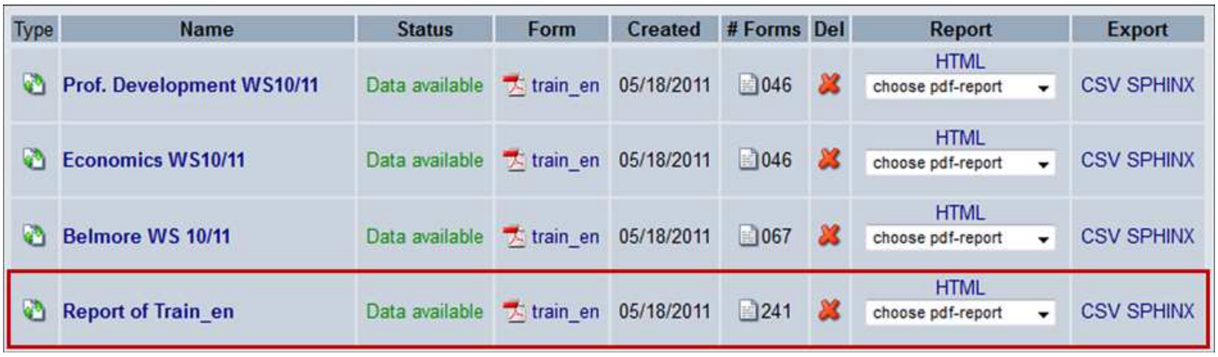
No. of completed questionnaires: 241

The report creation may take a moment. Please wait until an acknowledgment has been sent back from the server.

Choice	train_en
☑	Which gender do you belong to? male | female

Figure 342: Report Creator: Any Compilation: Overview over the Selection made and the Questionnaire

Click on [Create] (or first assign the questions correctly). Also this report then appears in the list:



Type	Name	Status	Form	Created	# Forms	Del	Report	Export
	Prof. Development WS10/11	Data available	train_en	05/18/2011	046	✗	HTML choose pdf-report	CSV SPHINX
	Economics WS10/11	Data available	train_en	05/18/2011	046	✗	HTML choose pdf-report	CSV SPHINX
	Belmore WS 10/11	Data available	train_en	05/18/2011	067	✗	HTML choose pdf-report	CSV SPHINX
	Report of Train_en	Data available	train_en	05/18/2011	241	✗	HTML choose pdf-report	CSV SPHINX

Figure 343: Report Creator: “Any Compilation” in the Report List

Further Options for Any Compilation Reports

Any compilation reports, as opposed to other types of reports, offer a range of further options by which data can be filtered and reports created.

- **Filtering by Course Properties**

  In addition to the selection criteria already described, in the user defined compilation there is the possibility to filter courses by, for example, location, course ID, course user data fields etc.. Particularly the courses user data fields enable user defined filtering criteria and as such, to filter and create reports individually as required. To create additional course fields please see chapter B2.2.3 “Setup and Administer Courses”.

  To show the filtering possibilities of course properties, activate the option “Show extended filter options”:

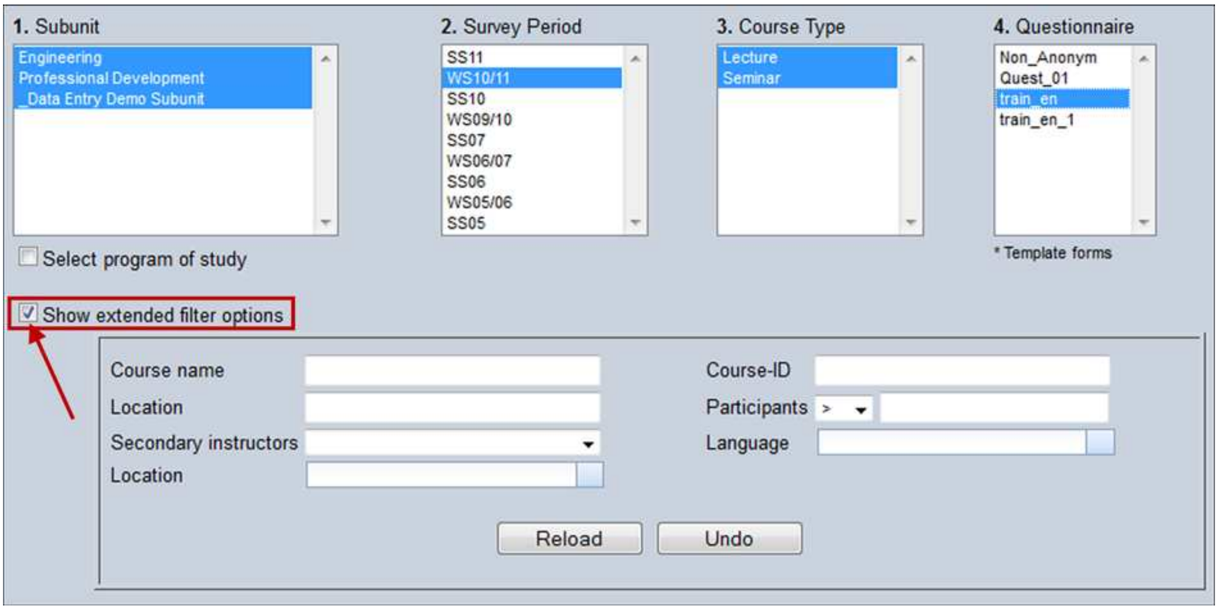

1. Subunit
Engineering
Professional Development
_Data Entry Demo Subunit
2. Survey Period
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06
SS05
3. Course Type
Lecture
Seminar
4. Questionnaire
Non_Anonym
Quest_01
train_en
train_en_1
* Template forms
☐ Select program of study
☑ Show extended filter options
Course name
Location
Secondary instructors
Location
Course-ID
Participants >
Language
Reload
Undo

Figure 344: Report Creator: Extended Filter Options

The following filtering criteria with the following values are possible (multiple selections possible):

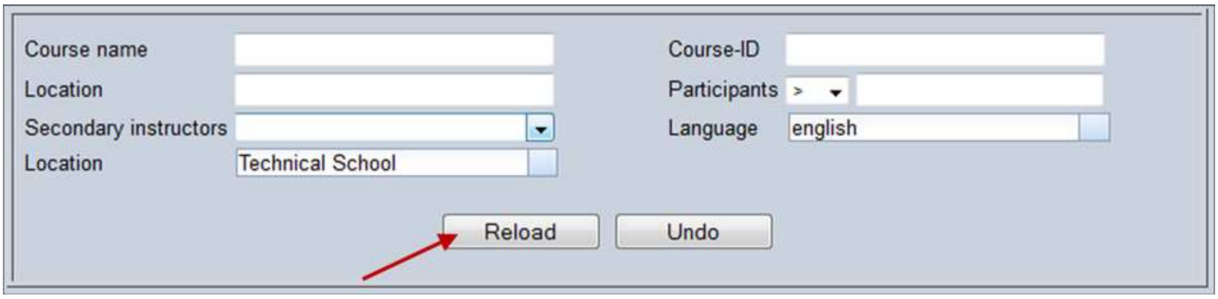
Criteria	Search type
Name	Simple text search
Identification	Simple text search
Room	Simple text search
Participant	Smaller, equal or larger of particular number
Secondary instructor	Selection: Available/Not available
Additional course user data fields (if defined up to 5 items)	Selection dependent on defined values

Table 17: Filter criteria for “Any compilations”

Entries in several search fields are linked with an AND-conjunction, meaning that only those courses are displayed that meet all criteria.

The contents of the course user data fields (in this case “Language” and “Location”) can be selected from drop-down lists. If required they can also be typed in directly.

When you have defined all necessary restrictions, click on the button [Update]. Only then will the courses that meet your criteria be displayed to you:



Course name
Location
Secondary instructors
Location: Technical School
Course-ID
Participants: >
Language: english

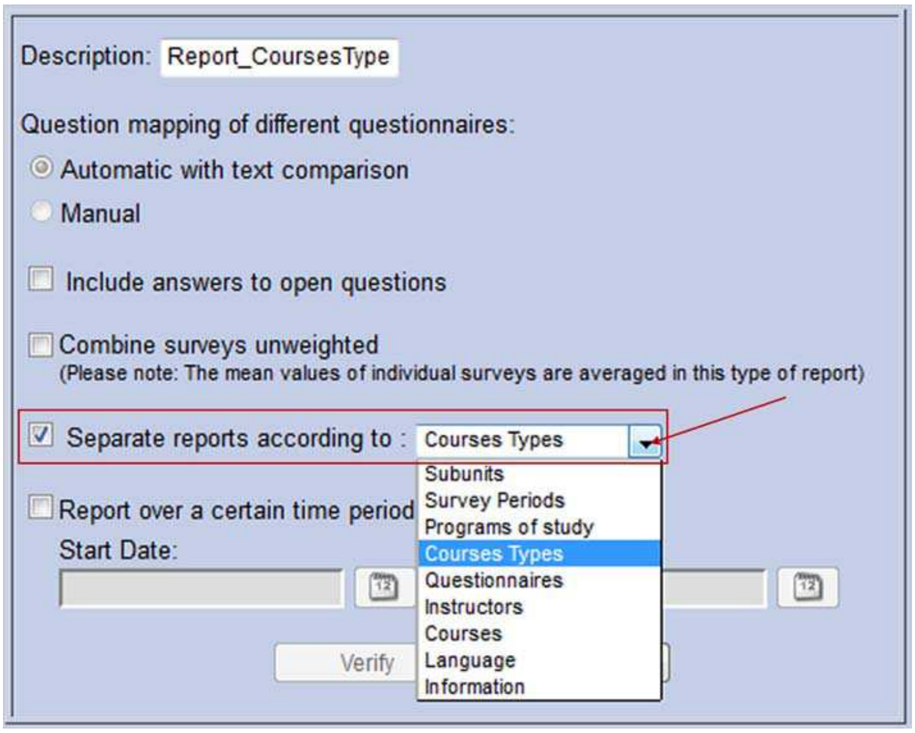
Figure 345: Report Creator: Extended Filter Options: Update Course List

With [Back] all entries are being deleted from the search mask and the course view is updated likewise.

- **Batch Creation of Reports**

In the Any Compilation Report it is possible to create reports in batches according to specific filters. If, for example, a summary report on every course from a certain period is to be generated, this can be done with the help of the option “Separate reports according to” and a simple click.

When creating the report, select in the report options the criteria by which you would like to separate the reports. Apart from the separation by type of course, there are several options available in the drop down menu such as subunits, period, program of study, questionnaire as well as the course user data fields.



Description: Report_CoursesType

Question mapping of different questionnaires:
● Automatic with text comparison
○ Manual

☐ Include answers to open questions

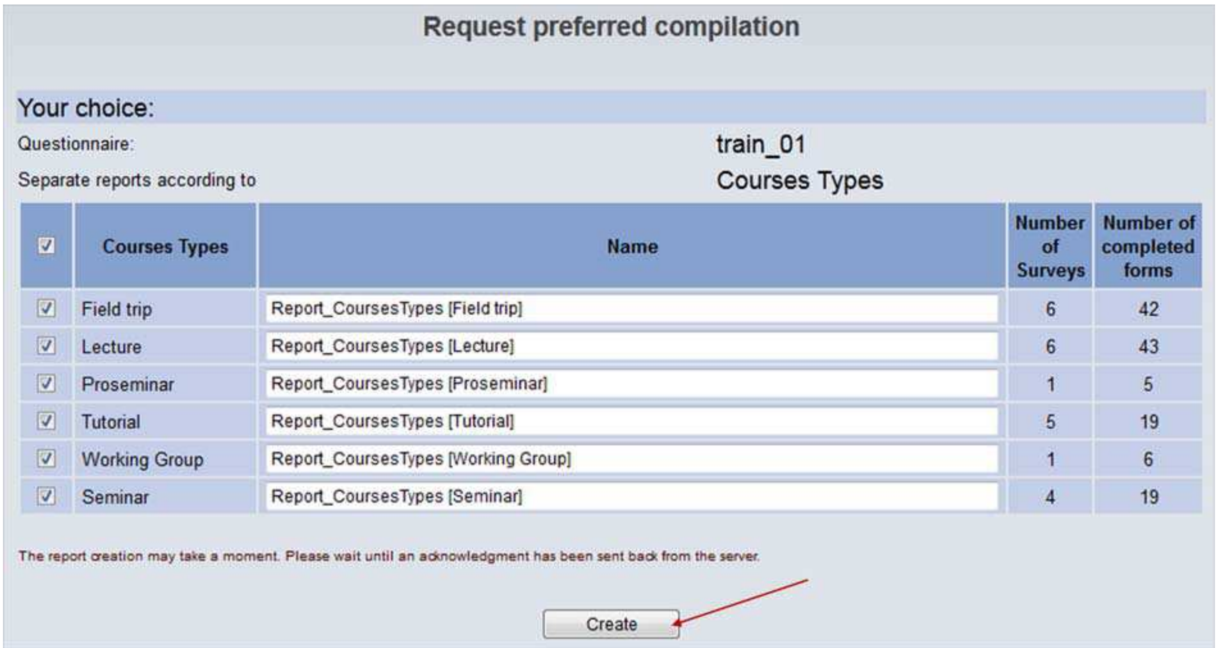
☐ Combine surveys unweighted
(Please note: The mean values of individual surveys are averaged in this type of report)

☑ Separate reports according to : Courses Types

☐ Report over a certain time period
Start Date:

Figure 346: User Defined Compilation: Batch Creation of Reports

After clicking [Verify] an overview of the reports to be created is displayed. Click on [Create] to create the reports.



Request preferred compilation

Your choice:

Questionnaire: train_01

Separate reports according to Courses Types

☑	Courses Types	Name	Number of Surveys	Number of completed forms
☑	Field trip	Report_CoursesTypes [Field trip]	6	42
☑	Lecture	Report_CoursesTypes [Lecture]	6	43
☑	Proseminar	Report_CoursesTypes [Proseminar]	1	5
☑	Tutorial	Report_CoursesTypes [Tutorial]	5	19
☑	Working Group	Report_CoursesTypes [Working Group]	1	6
☑	Seminar	Report_CoursesTypes [Seminar]	4	19

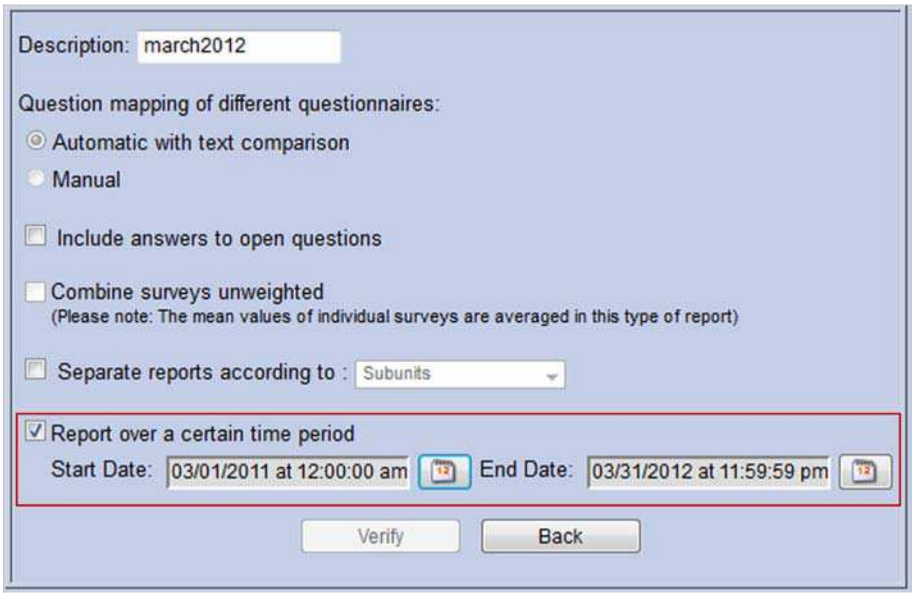
The report creation may take a moment. Please wait until an acknowledgment has been sent back from the server.

Figure 347: Report Creator: Overview of Batch Creation

- **Creating Reports Over a Freely Definable Period**

  If desired, with the Any Compilation Reports, reports can be generated for a defined period of time. In this way it is possible to deviate from the predefined monitoring periods and to define your own periods for the evaluation of data, for example to create monthly reports, even though the data is captured on a semester based timeline.

  To do this, activate the option “Report over a certain time period” and using the calendar set the start and end date of the desired period.



Description: march2012

Question mapping of different questionnaires:
● Automatic with text comparison
○ Manual

☐ Include answers to open questions

☐ Combine surveys unweighted
(Please note: The mean values of individual surveys are averaged in this type of report)

☐ Separate reports according to : Subunits

☑ Report over a certain time period
Start Date: 03/01/2011 at 12:00:00 am End Date: 03/31/2012 at 11:59:59 pm

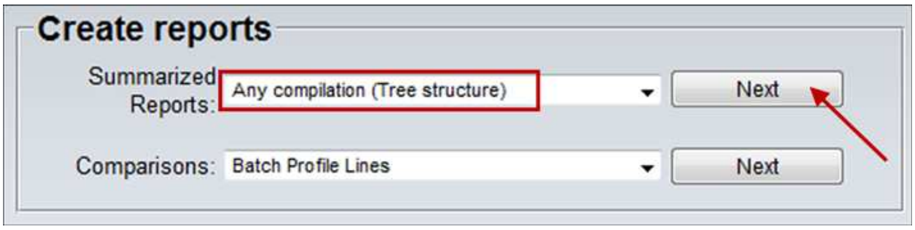
Figure 348: Report Creator: Create a Report for a Specific Time Period

For the selected period of time, all data which was captured within this period is accumulated. For paper based surveys, the scan date is relevant, for online surveys, the date when the participant submitted the questionnaire.

Any Compilation: Tree Structure

When creating an ‘Any Compilation’ report, surveys can also be selected with the help of a tree structure. By this, the hierarchical order of the different organizational levels (e.g. subunit, location, program of study, instructor etc.) is better visualized and the desired surveys can be selected more easily.

Choose the option “Any Compilation (Tree Structure)” from the drop-down list and click the button [Next].



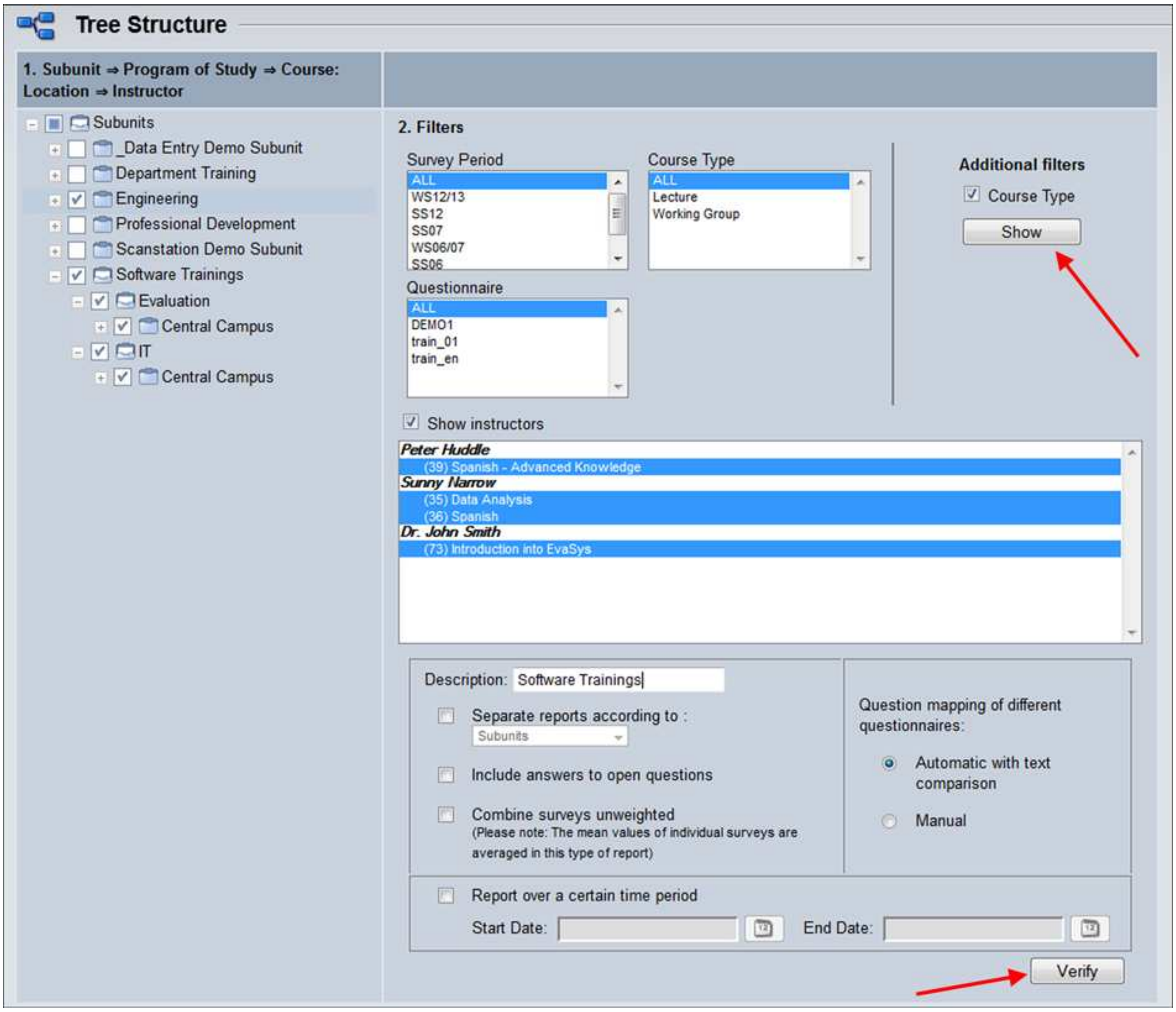
Create reports

Summarized Reports: Any compilation (Tree structure)

Comparisons: Batch Profile Lines

Figure 349: Report Creator: Create Any Compilation (Tree Structure)

In the left section of the next window the tree is displayed. The single levels of the tree can be opened or closed by clicking the + / - symbols or clicking on the name of the level. All levels the administrator has selected for the organizational structure are shown in the predefined order. By marking the boxes single levels can be selected. For further information on working with the tree structure please see chapter B 3.6. "Tree Structure".


Tree Structure
1. Subunit ⇒ Program of Study ⇒ Course: Location ⇒ Instructor
2. Filters
Additional filters
Show
Verify

- ☐ Subunits
  - ☐ _Data Entry Demo Subunit
  - ☐ Department Training
  - ☑ Engineering
  - ☐ Professional Development
  - ☐ Scanstation Demo Subunit
  - ☑ Software Trainings
    - ☑ Evaluation
      - ☑ Central Campus
    - ☑ IT
      - ☑ Central Campus

Survey Period: **ALL**, WS12/13, SS12, SS07, WS06/07, SS06

Course Type: **ALL**, Lecture, Working Group

Questionnaire: **ALL**, DEMO1, train_01, train_en

☑ Course Type

☑ Show instructors

Peter Huddle
(39) Spanish - Advanced Knowledge
Sunny Narrow
(35) Data Analysis
(36) Spanish
Dr. John Smith
(73) Introduction into EvaSys

Description: Software Trainings

☐ Separate reports according to : Subunits

☐ Include answers to open questions

☐ Combine surveys unweighted
(Please note: The mean values of individual surveys are averaged in this type of report)

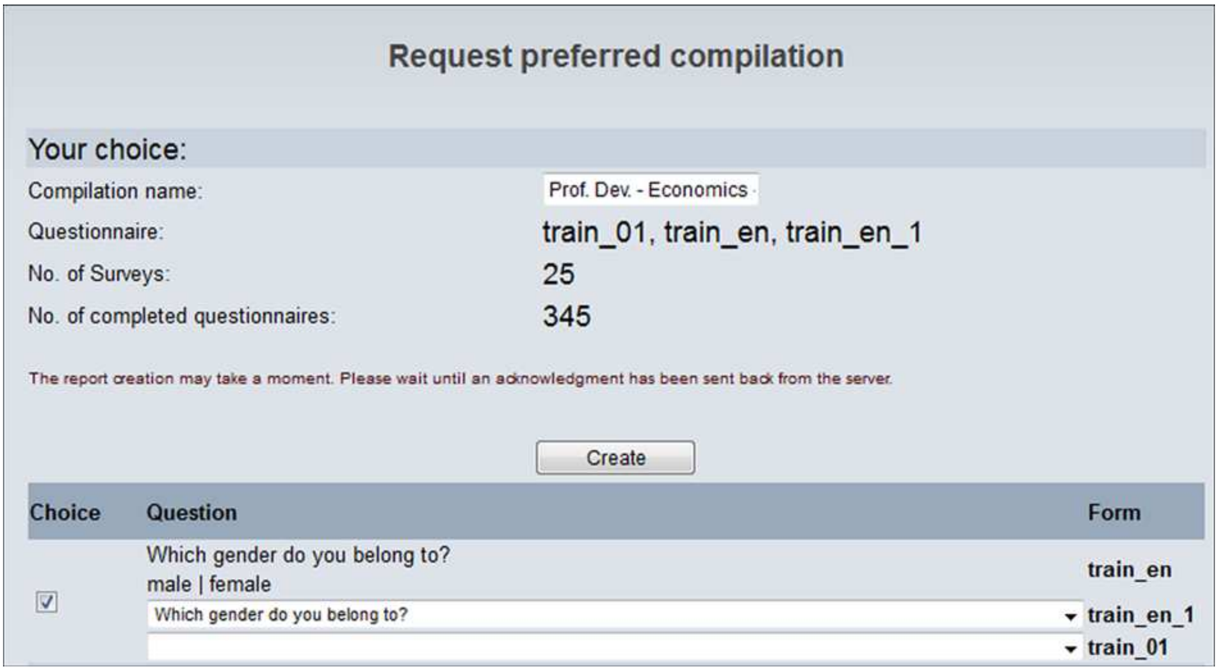
Question mapping of different questionnaires:
● Automatic with text comparison
○ Manual

☐ Report over a certain time period
Start Date:
End Date:

Figure 350: Report Creator: Any Compilation (Tree Structure): Select Surveys

Choose the desired elements from the tree and use the additional filters to select the evaluation periods, course types and questionnaires. Then click the button [Show]. Now in the survey list below the surveys will be displayed which correspond to the filter settings. Choose the desired surveys from the list.

Then enter a name for the report and, if necessary, do some further settings (such as text comparison etc.). Click the button [Verify]. The questionnaire will be displayed in an overview. Click on [Create] to finally create the report.



Request preferred compilation

Your choice:

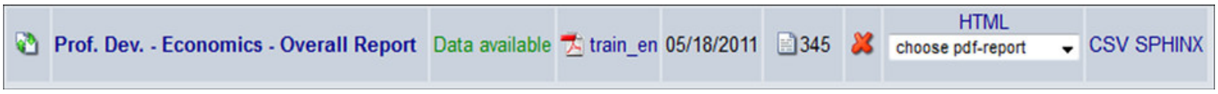
Compilation name: Prof. Dev. - Economics
Questionnaire: train_01, train_en, train_en_1
No. of Surveys: 25
No. of completed questionnaires: 345

The report creation may take a moment. Please wait until an acknowledgment has been sent back from the server.

Choice	Question	Form
☑	Which gender do you belong to? male | female	train_en
	Which gender do you belong to?	train_en_1
		train_01

Figure 351: Report Creator: Any Compilation (Tree Structure): Questionnaire Overview

The report will be created and is shown, as all other reports, in the list within the folder.



	Prof. Dev. - Economics - Overall Report	Data available	train_en	05/18/2011	345	✗	HTML choose pdf-report	CSV SPHINX

Figure 352: Report Creator: Any Compilation (Tree Structure): Report in the List of Reports

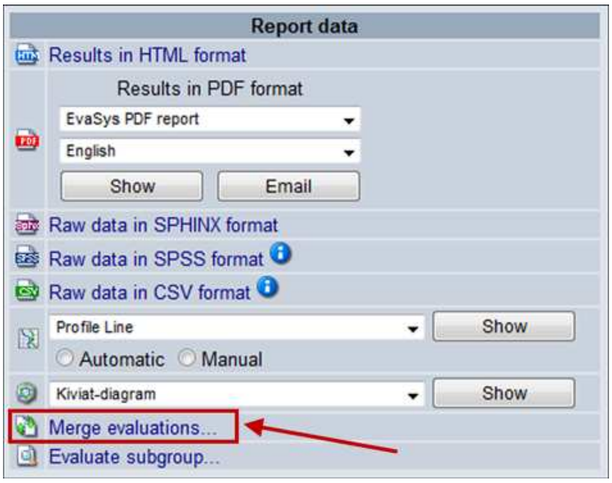
5.2.5. Combinations and Subgroups

The previous chapters show that the report creator allows the generation of reports according to very flexible criteria. So far, however, only the compilation of data according to specific criteria was explained. How to summarize these compiled reports again or evaluate the reports according to different criteria is the topic of the following chapter.

For these two needs mentioned – the combining as well as the taking apart of existing reports – there are two options in the details of a report. Just a small reminder: You will find the details of a report by clicking on the name of this report in the report list.

Combining Reports

First of all, the combinations are dealt with here. This option enables you to summarize several created reports. If you go to the details of a created report you see at the bottom right the second to last point “Merge evaluations”:



Report data

Results in HTML format

Results in PDF format

EvaSys PDF report

English

Show | Email

Raw data in SPHINX format

Raw data in SPSS format

Raw data in CSV format

Profile Line | Show

○ Automatic ○ Manual

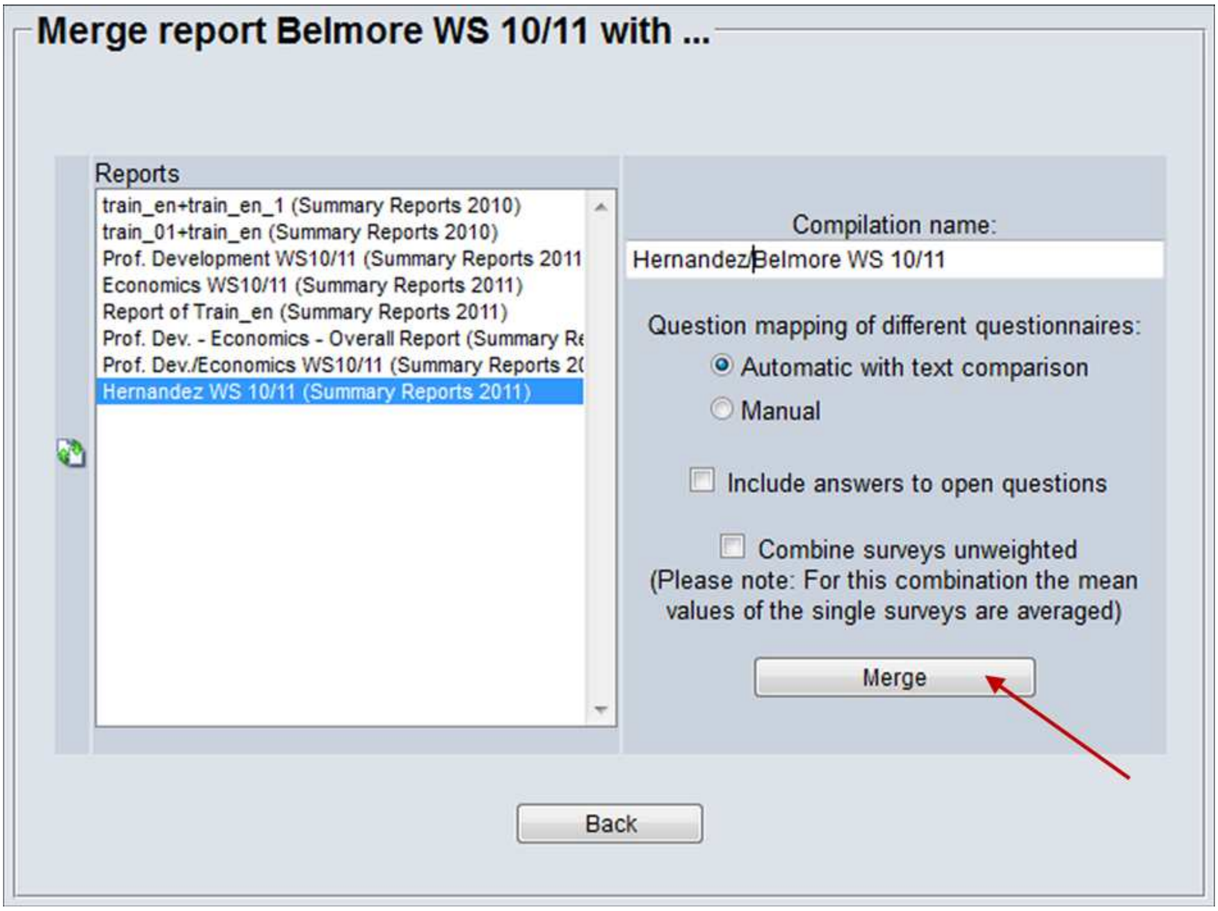
Kiviat-diagram | Show

Merge evaluations...

Evaluate subgroup...

Figure 353: Report Creator: Report Details: Merge Evaluations

If you wish to summarize several reports click on this option. A new window appears in which you can mark all reports that you wish to combine with the current report. In this figure two instructor profiles are united in one report – Prof. Belmore and Prof. Hernandez from winter term 2010/11:



Merge report Belmore WS 10/11 with ...

Reports

- train_en+train_en_1 (Summary Reports 2010)
- train_01+train_en (Summary Reports 2010)
- Prof. Development WS10/11 (Summary Reports 2011
- Economics WS10/11 (Summary Reports 2011)
- Report of Train_en (Summary Reports 2011)
- Prof. Dev. - Economics - Overall Report (Summary Re
- Prof. Dev./Economics WS10/11 (Summary Reports 2(
- Hernandez WS 10/11 (Summary Reports 2011)

Compilation name: Hernandez/Belmore WS 10/11

Question mapping of different questionnaires:

● Automatic with text comparison

○ Manual

☐ Include answers to open questions

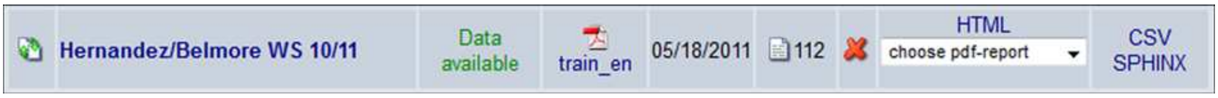
☐ Combine surveys unweighted (Please note: For this combination the mean values of the single surveys are averaged)

Merge

Back

Figure 354: Report Creator: Merge Evaluations - Selection of Reports

Since these are combinations, too, the usual options are available to you (questionnaire comparison, inclusion of responses to open questions as well as the unweighted combination). Choose the options that you wish here and click on [Merge]. Then a new report is added to your report list, the combination of reports you chose:



	Hernandez/Belmore WS 10/11	Data available	train_en	05/18/2011	112		HTML choose pdf-report	CSV SPHINX

Figure 355: Report Creator: Merged Instructor Profiles “Belmore” and “Hernandez” of 2010/11

The properties of these merged reports correspond exactly to those of the other, existing ones. Here you also obtain the information through the details in the list or through a click on the name. There you have the option to merge further reports.

Forming Subgroups

Not only can you merge existing reports with others, but you can also form subgroups from all reports created, meaning the reports can be evaluated according to certain criteria (age, gender, subject etc.).

These criteria are specific groups of returns (meaning completed questionnaires) and these you determine yourself – through the creation of your questionnaire. You can form these groups according to your

- single choice questions,
- multiple choice questions and
- scaled questions.

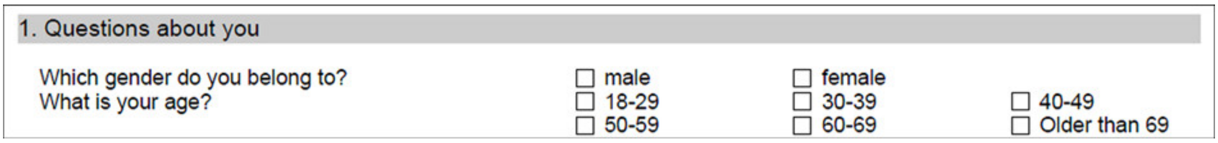
Example:

Your questionnaire contains a single choice question regarding the gender with the answers “female” and “male”. You can then create for all summarized reports each a subgroup report “Female” and “Male” based on this questionnaire. These reports could give you information on whether women and men answered differently.

Your questionnaire contains a single choice question regarding the age – e.g. you ask for the groups of those aged 18 to 29, for the students aged 30 to 39, those aged 40 to 49 etc. If you evaluate reports – which are based on this questionnaire – according to subgroups, this age question is presented to you as a criterion. Then you could, for example, create a subgroup report for all mentioned age brackets and compare the results. Following this, it would also be possible to combine the reports for the first three groups and for the last three groups and thus compare the age group of 18 to 49 with the age group 50 and over.

Your questionnaire contains a multiple choice question (or a single choice question) on the subject with the responses “Geology”, “Chemistry”, “Physics”, “History” and so forth. Then you can create corresponding subgroup reports for all summarized reports based on this questionnaire: subgroup report “Geology”, subgroup report “Chemistry” and so forth. This way, you can structure courses that are attended by students of various disciplines according to subjects and make the results (meaning the subgroup reports) available to those in charge of each discipline. It could, for example, be that the dean of “Chemistry” is not interested how the course “Nuclear Physics” was generally assessed as it belongs to the field of “Physics”. How the Chemistry students assess the course could, however, be of great interest to him.

If your questionnaire contains a single choice question regarding the grade level, you can then evaluate subgroups regarding the grade level.



1. Questions about you

Which gender do you belong to? ☐ male ☐ female

What is your age? ☐ 18-29 ☐ 30-39 ☐ 40-49 ☐ 50-59 ☐ 60-69 ☐ Older than 69

Figure 356: Report Creator – Single Choice Question Regarding a Respondent’s Age

In order to produce a subgroup report, click in the details of a report on “Evaluate subgroup” (the last option on the bottom-right):

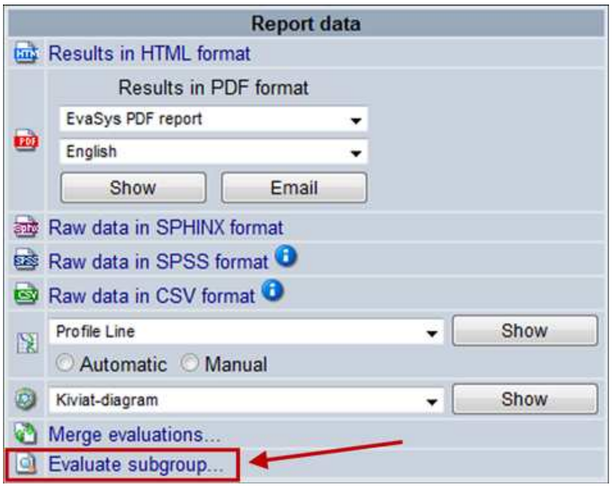
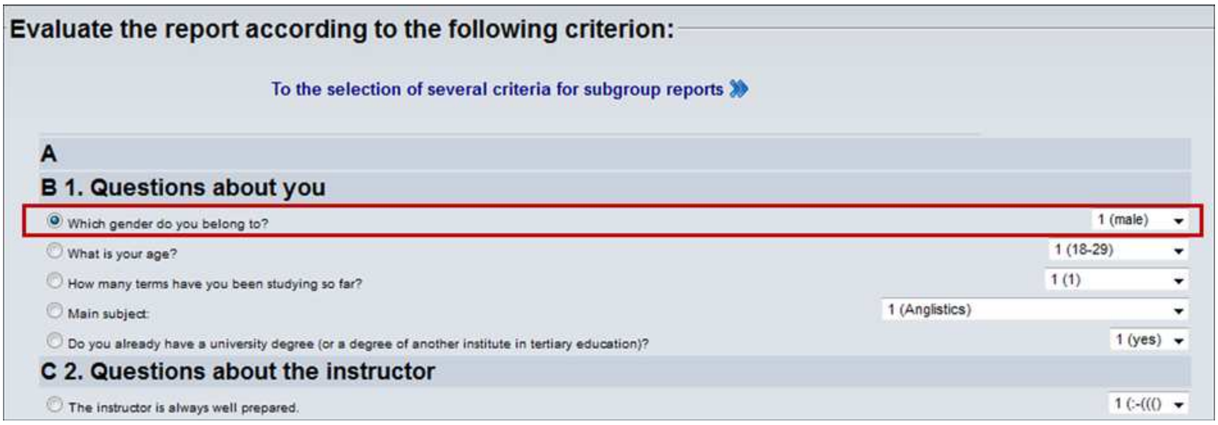

Report data
Results in HTML format
Results in PDF format
EvaSys PDF report
English
Show
Email
Raw data in SPHINX format
Raw data in SPSS format
Raw data in CSV format
Profile Line
Show
○ Automatic ○ Manual
Kiviat-diagram
Show
Merge evaluations...
Evaluate subgroup...

Figure 357: Report Creator: Report Details: Evaluate Subgroup

In turn, another window opens that presents you with all possible types of questions on which you can evaluate subgroups:



Evaluate the report according to the following criterion:

To the selection of several criteria for subgroup reports »

A

B 1. Questions about you

● Which gender do you belong to? 1 (male)

○ What is your age? 1 (18-29)

○ How many terms have you been studying so far? 1 (1)

○ Main subject: 1 (Anglistics)

○ Do you already have a university degree (or a degree of another institute in tertiary education)? 1 (yes)

C 2. Questions about the instructor

○ The instructor is always well prepared. 1 (:-(((

Figure 358: Report Creator: Evaluate Subgroup: Selection of a Criterion

In order to create a subgroup report, here you choose a criterion (that is a question), for example the gender, and a value for the criterion (meaning the corresponding response option to the question), here for example “Male”. Then you assign a relevant name, decide for or against the inclusion of the open questions in the subgroup report and click on the button [Create]. The subgroup report now appears in the list of reports:

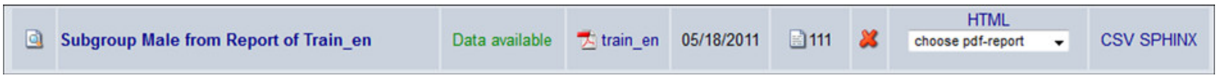

Subgroup Male from Report of Train_en | Data available | train_en | 05/18/2011 | 111 | HTML choose pdf-report | CSV SPHINX

Figure 359: Report Creator: Subgroup Report in the Report List

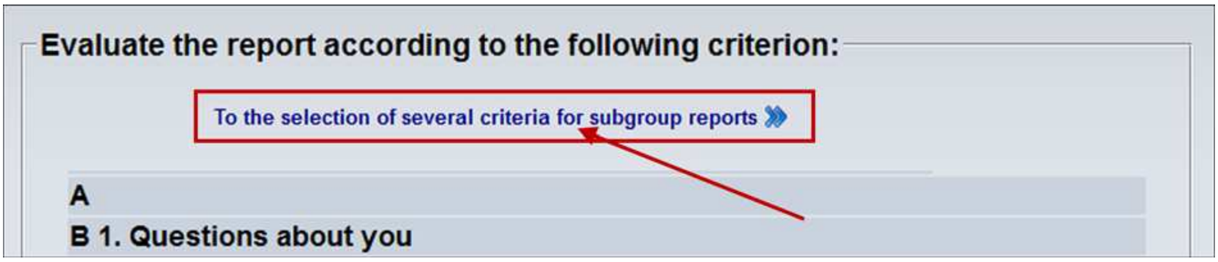
Please note: Subgroup reports are identified by a logo different from that of the other reports, the remaining options are, however, identical.

So you could again create, for example, subgroups from this report (for example grade level) and/or merge this report with further evaluations.

Combining Multiple Criteria

In order to summarize the results of different criteria, such as “Gender”, “Registered Major Subject” and “Target Degree”, in a subgroup report, you can use criteria combinations. These offer you the possibility of creating a subgroup report with several criteria (i.e. with multiple questions).

To create a subgroup report with several criteria, click, as you are accustomed, in the details of a report on “Evaluate subgroup” (the last option on the bottom right). Subsequently a Window opens, offering you all possible questions with which you can evaluate a subgroup. In this window, you can click on the link “Choose several criteria for subgroup reports“. This allows you to select multiple criteria for your subgroup report.


Evaluate the report according to the following criterion:

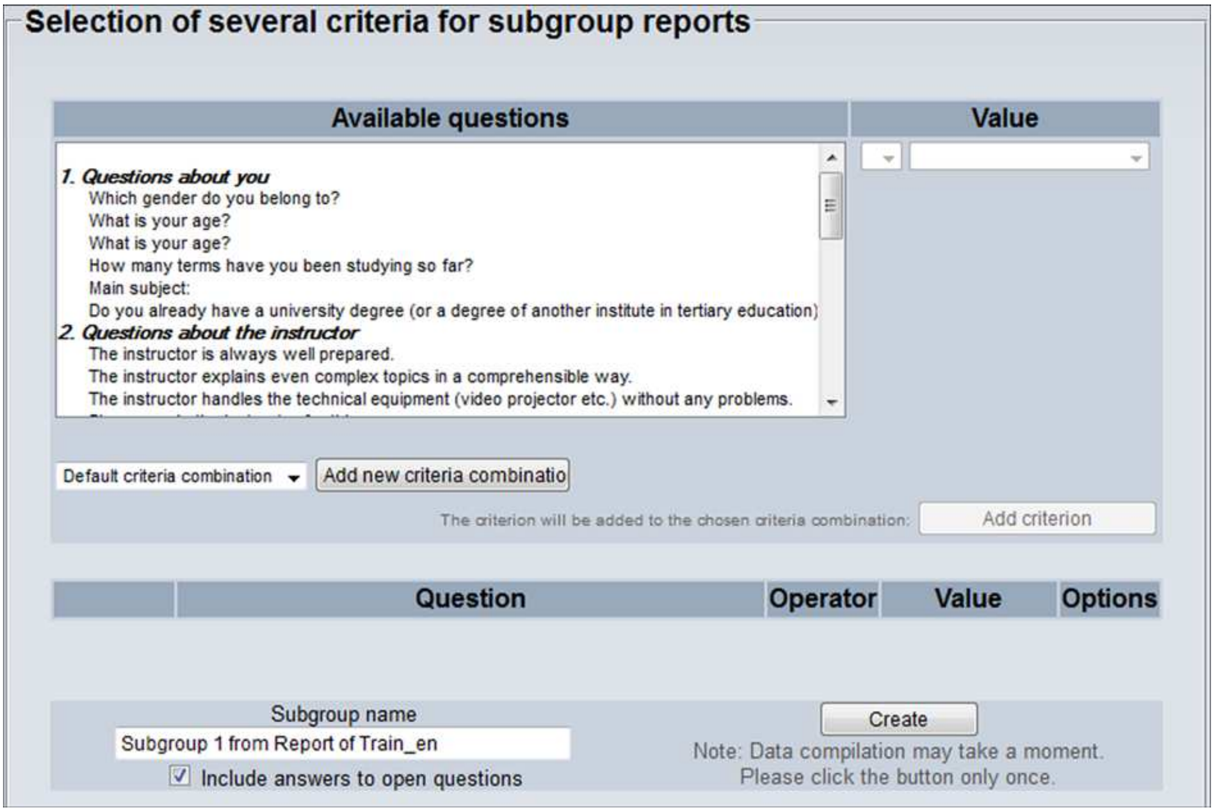
To the selection of several criteria for subgroup reports

A

B 1. Questions about you

Figure 360: Report Creator: Selection of Several Criteria for Subgroup Reports

The following window opens:



Selection of several criteria for subgroup reports

Available questions	Value
1. Questions about you	
Which gender do you belong to?	
What is your age?	
What is your age?	
How many terms have you been studying so far?	
Main subject:	
Do you already have a university degree (or a degree of another institute in tertiary education)	
2. Questions about the instructor	
The instructor is always well prepared.	
The instructor explains even complex topics in a comprehensible way.	
The instructor handles the technical equipment (video projector etc.) without any problems.	

Default criteria combination
Add new criteria combinatio
The criterion will be added to the chosen criteria combination:
Add criterion
Question
Operator
Value
Options

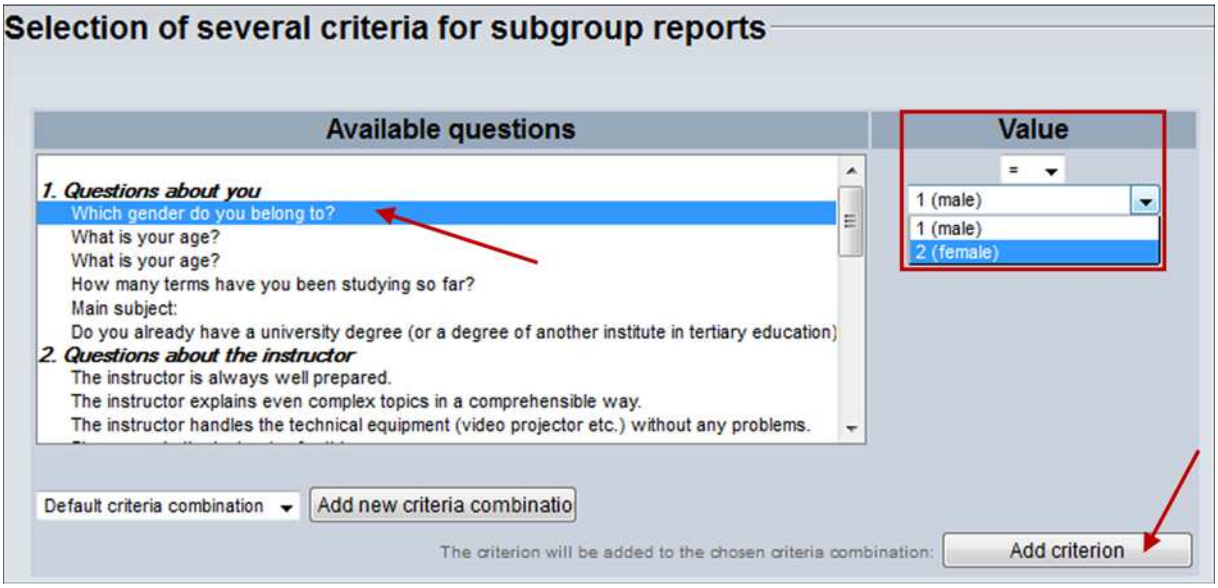
Subgroup name: Subgroup 1 from Report of Train_en

☑ Include answers to open questions

Note: Data compilation may take a moment. Please click the button only once.

Figure 361: Report Creator: Selection of Several Criteria (Questions) for Subgroup Reports

In this window, for example, you can select all male interviewees as the first criteria. To do this, click in the area “Available questions” on the criteria “Gender”. Choose, on the right hand side the value of the criterion, i.e. the desired answer for this question. In this example, you would choose “male”.



Selection of several criteria for subgroup reports

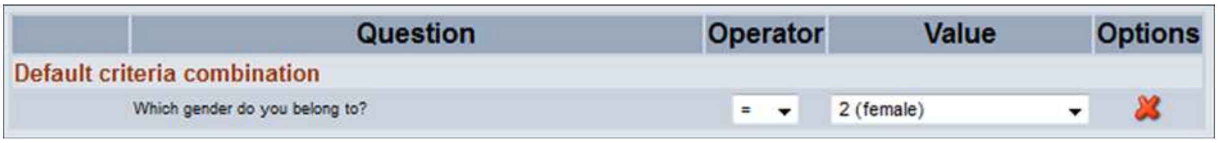
Available questions	Value
1. Questions about you	=
Which gender do you belong to?	1 (male)
What is your age?	1 (male) 2 (female)
What is your age?	
How many terms have you been studying so far?	
Main subject:	
Do you already have a university degree (or a degree of another institute in tertiary education)	
2. Questions about the instructor	
The instructor is always well prepared.	
The instructor explains even complex topics in a comprehensible way.	
The instructor handles the technical equipment (video projector etc.) without any problems.	

Default criteria combination
Add new criteria combinatio
The criterion will be added to the chosen criteria combination:
Add criterion

Figure 362: Report Creator: Selecting the First Criterion “female” for the Subgroup Report

Finally, click on the button [Add criterion]. The criterion then appears in your “Default criteria combination“.

In this case, the criterion “Gender” with the value “male” was added. The condition being, that exactly this value must be fulfilled (indicated by the “=” character in the “Operator” column):

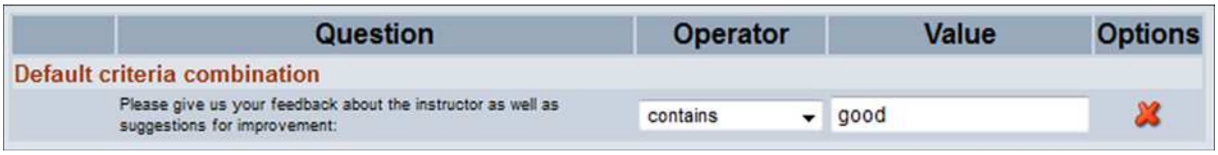


Question	Operator	Value	Options
Default criteria combination			
Which gender do you belong to?	=	2 (female)	✗

Figure 363: Report Creator: Criterion “Female” was Successfully Selected

Depending on which question type the selected question is related to, you can select a “=” operator, or other operators. With regard to scaled questions and matrix questions, as well as the “=” operator, the “<”, “>”, “≤” and “≥” and “<>“ (unequal) are available.

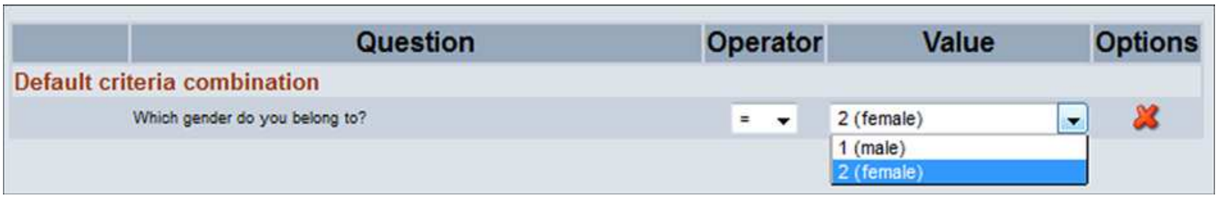
In open questions, you can filter by strings contained or not contained, as long as the data of the open question is not an image. This function then applies to online surveys or paper surveys with data collection and ICR.



Question	Operator	Value	Options
Default criteria combination			
Please give us your feedback about the instructor as well as suggestions for improvement:	contains	good	✗

Figure 364: Report Creator: Filteroptions for open questions

You can change the value of a criterion at any time here. This means, you can choose for example all female interviewees instead of all male ones. To do this, click on the arrow of the drop-down menu for the value of your chosen question.



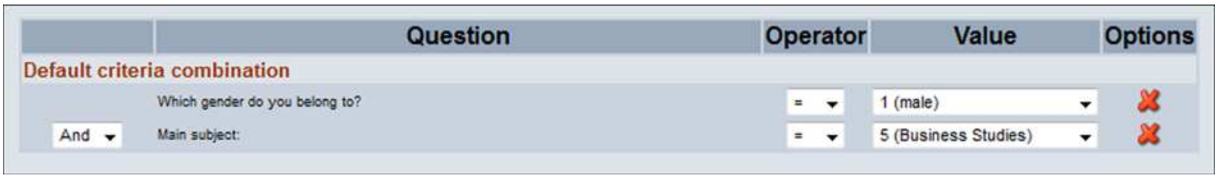
Question	Operator	Value	Options
Default criteria combination			
Which gender do you belong to?	=	2 (female)	✗

Figure 365: Report Creator: Changing Criteria from “female” to “male“

Furthermore, you can delete a selected criterion at any time, by clicking under “Options” on the red cross.

You can also create a subgroup report for all male interviewees via a simple subgroup, you do not need a criteria combination to do this. You can however combine this criteria with others, for example with the grade level. In this way, you can create a subgroup report for all male interviewees who have the grade level “freshman”.

As described above, first select the criterion “Gender” with the value “male”. In a second step, select the criterion “Main Subject” with the value “Business Studies”. Your “Default criteria combination” now contains two criteria:



	Question	Operator	Value	Options
Default criteria combination				
	Which gender do you belong to?	=	1 (male)	✗
And	Main subject:	=	5 (Business Studies)	✗

Figure 366: Report Creator: Criteria Combination of all Male Interviewees with main subject "Business Studies"

In this example, you wanted to consolidate all male students with the main subject "Business Studies" in your subgroup report. This means, that both conditions must be met at the same time (i.e. the student is male AND he studies Business). For this reason, both of the selected criteria are connected with the logical operator "And" (for computer scientists amongst you, you can select the Booleschen operators here).

On the other hand, if you want to create a subgroup report containing the results of all interviewees, who are either male OR studying Business, select here the "Or" operator. Your subgroup report would then contain the results of all male students – as well as the results of all other students who have the main subject "Business Studies". This means, that this subgroup report also contains the results of female students who study Business.

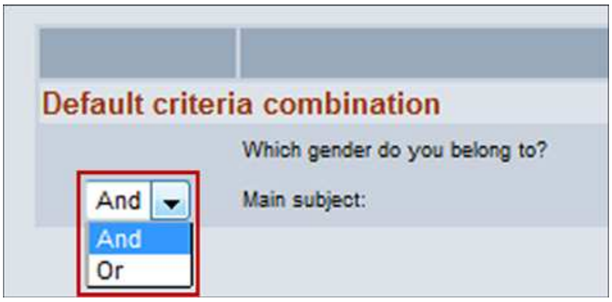
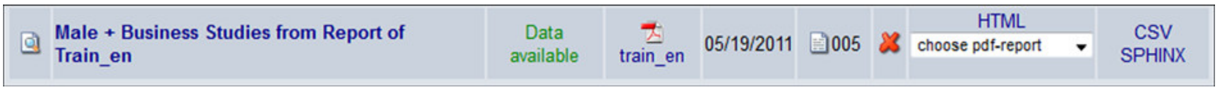


Figure 367: Report Creator: Two Criteria with the Operator "Or"

Finally, as you are accustomed, allocate a descriptive name, decide for or against including open questions in the subgroup report and click on the [Create] button. The subgroup report now appears in the list of reports:

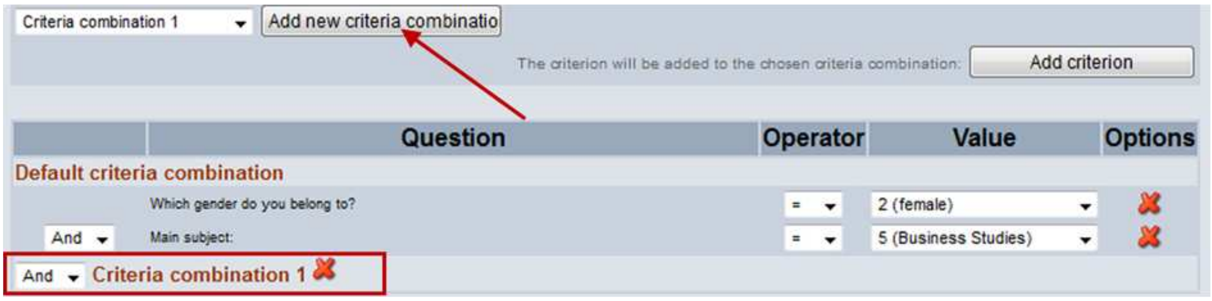


Male + Business Studies from Report of Train_en	Data available	train_en	05/19/2011	005	✗	HTML choose pdf-report	CSV SPHINX

Figure 368: Report Creator – New Subgroup Report in the Report List

You also have the possibility of creating several criteria combinations. If, for example, you wish to summarize the results of all female students who have the main subject "Business Studies" or the results of all students between 18 and 29 who have the main subject "Business Studies", proceed as follows.

In the default criteria combination, as you are accustomed, set the criteria to "female" and "Business Studies". Then click on the button [Add new criteria combination] so as to create a second group.

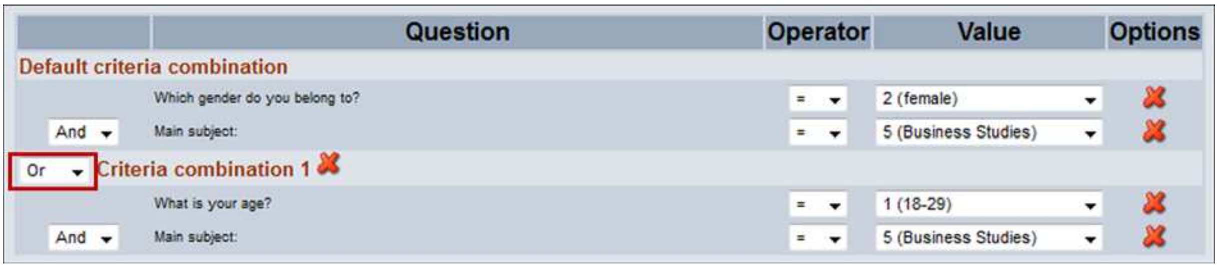


The criterion will be added to the chosen criteria combination:

	Question	Operator	Value	Options
Default criteria combination				
	Which gender do you belong to?	=	2 (female)	✖
And	Main subject:	=	5 (Business Studies)	✖
And	Criteria combination 1 ✖			

Figure 369: Report Creator: Add new Criteria Combination

This second group automatically receives the name “Criteria combination 1”. Add the criteria “What is your age” (with the value “18-29”) and “Main Subject” (with the value “Business Studies”) to this criteria combination.



	Question	Operator	Value	Options
Default criteria combination				
	Which gender do you belong to?	=	2 (female)	✖
And	Main subject:	=	5 (Business Studies)	✖
Or	Criteria combination 1 ✖			
	What is your age?	=	1 (18-29)	✖
And	Main subject:	=	5 (Business Studies)	✖

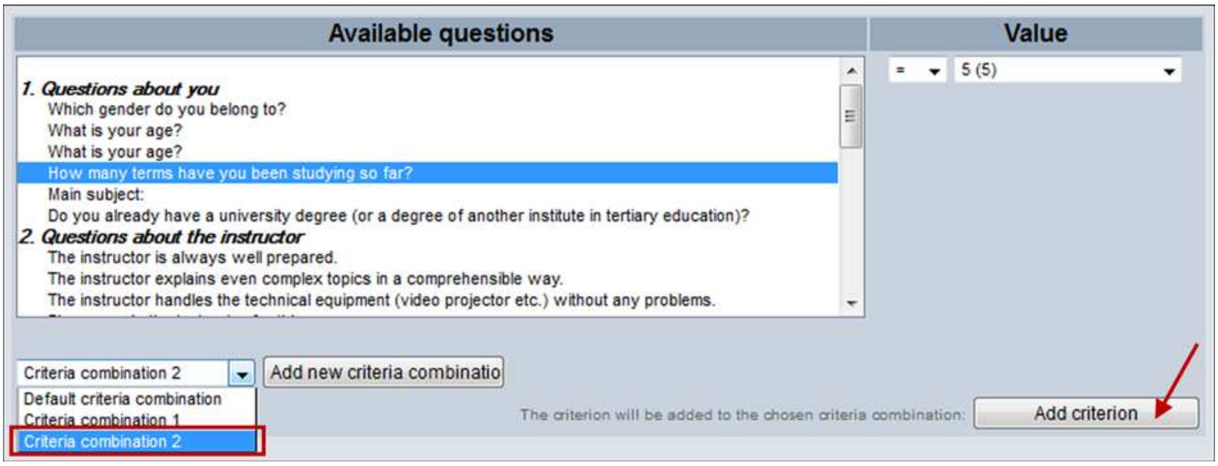
Figure 370: Report Creator: Two Criteria Combinations

Imagine you only want to see in your report the results of those interviewees who fulfill the following conditions: the interviewee is either female OR between 18-29 and in both cases has the main subject “Business Studies”. For this reason, link both criteria combinations with the “Or” operator.

Finally, as you are now familiar, allocate a descriptive name, decide for or against including open questions in the subgroup report and click on the [Create] button. The subgroup report now appears in the list of reports.

When you have created several criteria combinations, using the drop-down menu, you can select the criteria combination to which the criteria combination of the chosen question is to be added.

In the following graphic, you can see the results of the criteria “I learned a lot in this course”, which is rated with a “1” (applies in full) and linked with criteria combination 3. In the drop-down menu of the criteria combinations, select the criteria combination 3 and click subsequently on [Add criterion]:



1. Questions about you
Which gender do you belong to?
What is your age?
What is your age?
How many terms have you been studying so far?
Main subject:
Do you already have a university degree (or a degree of another institute in tertiary education)?
2. Questions about the instructor
The instructor is always well prepared.
The instructor explains even complex topics in a comprehensible way.
The instructor handles the technical equipment (video projector etc.) without any problems.

Criteria combination 2
Default criteria combination
Criteria combination 1
Criteria combination 2

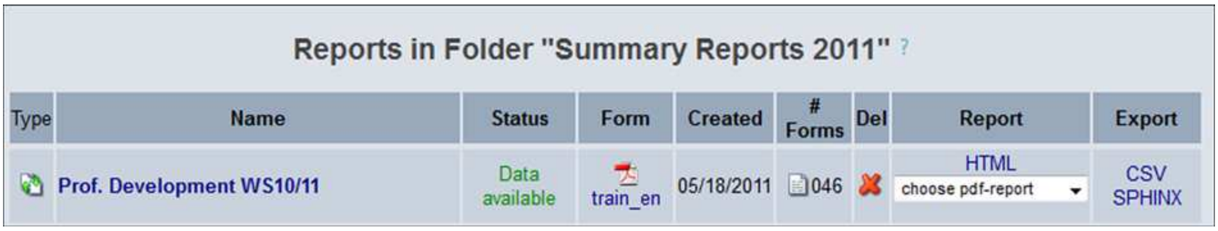
The criterion will be added to the chosen criteria combination:

Figure 371: Report Creator: Selection of the Criteria Combination for the new Criterion

Subsequently, this criteria (= this question with the selected answer) is added to the selected criteria combination.

5.2.6. Information on a Report – Report List

The list of the reports of a folder provides you with an overview of the properties of the reports:



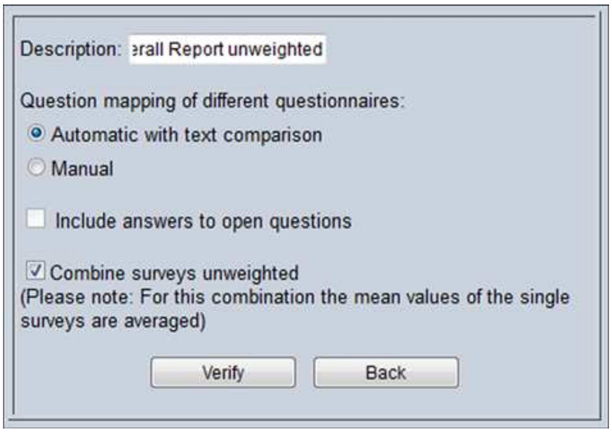
Reports in Folder "Summary Reports 2011" ?

Type	Name	Status	Form	Created	# Forms	Del	Report	Export
	Prof. Development WS10/11	Data available	train_en	05/18/2011	046	✗	HTML choose pdf-report	CSV SPHINX

Figure 372: Report Creator: Subunit Report as Overview

This view provides you with following information:

- **Type of the weighting:**
  - If it is a weighted, summarized report, the symbol as here at the top of the column, shows two sheets with green arrows.
  - For unweighted reports a symbol with paper and a warning triangle appears here. For an unweighted report, choose the respective option whilst creating a report:



Description: rall Report unweighted

Question mapping of different questionnaires:

● Automatic with text comparison

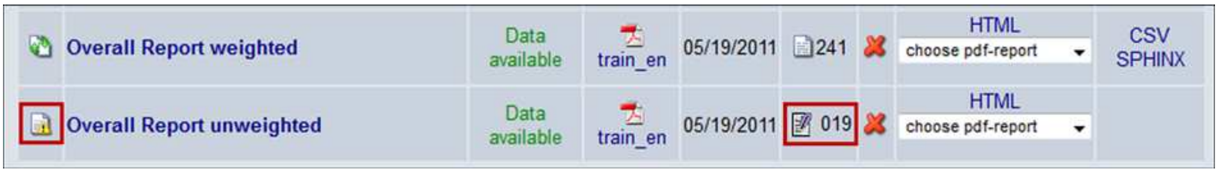
○ Manual

☐ Include answers to open questions

☑ Combine surveys unweighted
(Please note: For this combination the mean values of the single surveys are averaged)

Figure 373: Report Creator: Create Unweighted Report

- The report that is then created shows a symbol with paper and a warning triangle:



Overall Report weighted	Data available	train_en	05/19/2011	241	✖	HTML choose pdf-report	CSV SPHINX
Overall Report unweighted	Data available	train_en	05/19/2011	019	✖	HTML choose pdf-report	

Figure 374: Report Creator: Unweighted Report

- **Hint**: Here the date was added automatically to the name of the report because, within this report creator access, a report with exactly the same name already exists. (This is determined not by the folder level, but rather by the report creator as a whole!)

- **Name:** The name of the report corresponds to the name which you assigned during creation.
- **Status:** The status here always says “Data available” since in the report creator you can only summarize surveys for which data already exist, and therefore only produce surveys (meaning report) with the status “Data available”.
- **Form:** In the column “Form” you can call up the questionnaire sample and thus gain information as to which questionnaire this compilation is based on.
- **Created:** Here you can see when this report was produced.
- **Processed:** This column informs you of the number of returns (= filled-in questionnaires), in this case 131.
- **Del/Red cross:** By clicking on the trash can you can delete the report.

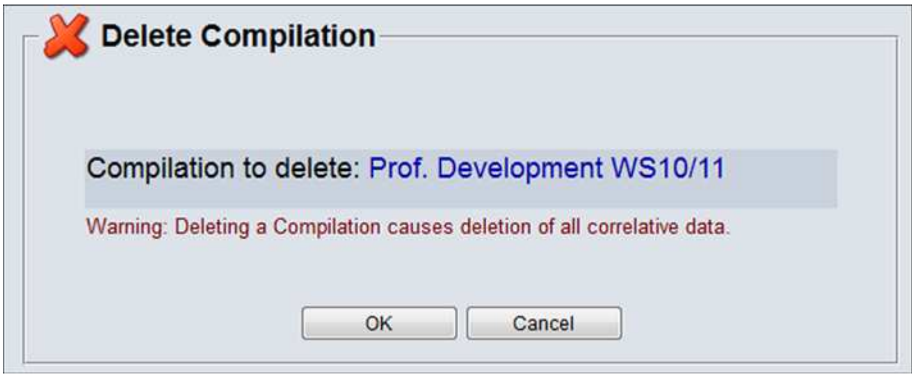
  Please observe the following details:

  - EvaSys does not hold any completed reports in memory. The automatically generated PDF reports for single surveys are also produced “on the fly”, when you click on [PDF] in the column “Report”.
  - The report creator combines this data according to your reports and keeps it

ready. When you click on [PDF], EvaSys produces the summarized report and displays it.

- This means that here you only delete the compiled data, however, you can reproduce the compilation again from your surveys at any time.

In the following figure you can see the confirmation if you like to delete a report.



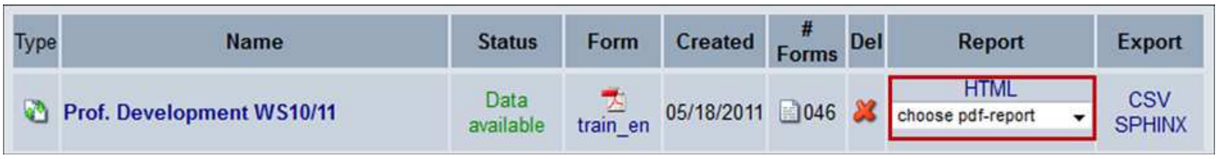
Delete Compilation

Compilation to delete: Prof. Development WS10/11

Warning: Deleting a Compilation causes deletion of all correlative data.

Figure 375: Report Creator: Delete Report

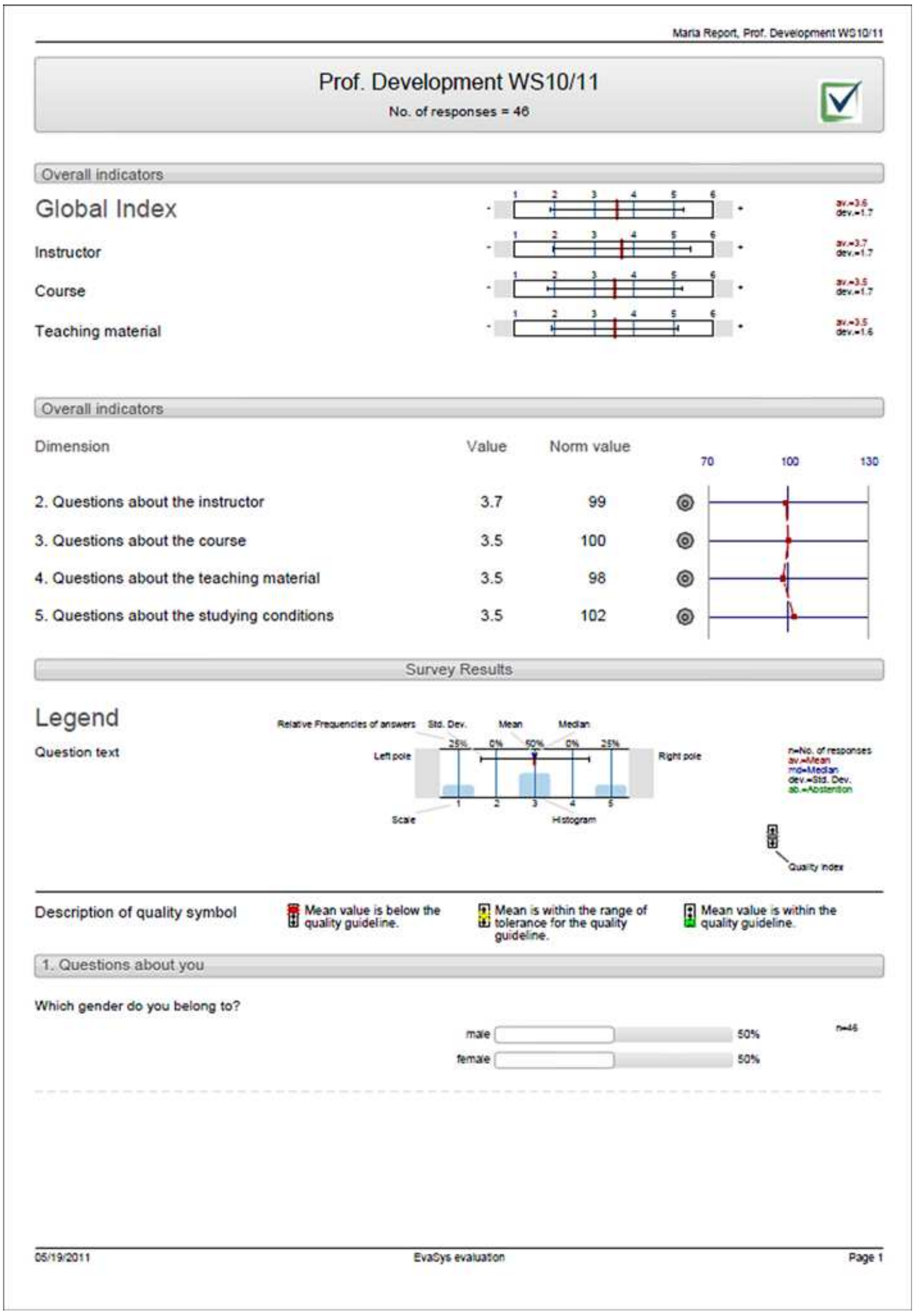
- **Report:** Here you can download the HTML and the PDF report. Either you only see the lettering “PDF” for the download of the PDF report or – as in the screenshot – a drop-down list. The latter is the case, if several PDF report definitions exist:



Type	Name	Status	Form	Created	# Forms	Del	Report	Export
	Prof. Development WS10/11	Data available	train_en	05/18/2011	046		HTML choose pdf-report	CSV SPHINX

Figure 376: Report Creator: Download Reports

- The PDF report looks just as you are familiar with it from the automatically generated reports for single surveys (except for the letter and the PDF report header).
- In the following, the first page of the subunit produced report gives you an overview of the appearance of the PDF reports of the report creator:



Maria Report, Prof. Development WS10/11

Prof. Development WS10/11

No. of responses = 46

Overall indicators

Global Index	av.=3.6 dev.=1.7
Instructor	av.=3.7 dev.=1.7
Course	av.=3.5 dev.=1.7
Teaching material	av.=3.5 dev.=1.6

Overall indicators

Dimension	Value	Norm value
2. Questions about the instructor	3.7	99
3. Questions about the course	3.5	100
4. Questions about the teaching material	3.5	98
5. Questions about the studying conditions	3.5	102

Survey Results

Legend

Question text

n=No. of responses
av.=Mean
md=Median
dev.=Std. Dev.
ab.=Abstention

Description of quality symbol

- Mean value is below the quality guideline.
- Mean is within the range of tolerance for the quality guideline.
- Mean value is within the quality guideline.

1. Questions about you

Which gender do you belong to?

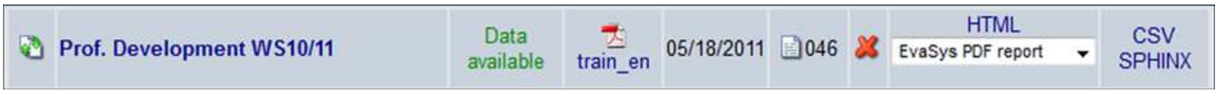
male	50%	n=46
female	50%	

05/19/2011 EvaSys evaluation Page 1

Figure 377: Report Creator: Example of a PDF Report (Page 1)

- As usual, the report header shows the title of the report. In addition, it displays the number of responses (46).
- According to the setting defined by the administrator, the details of the report are then displayed to you, here for example an overview over the indicators of the questionnaire. Following you will see the legend for the scaled questions as well as five diagrams for the first five questions of the questionnaire.

- **Export:** Here you can create export files for the subsequent processing in statistics programs:



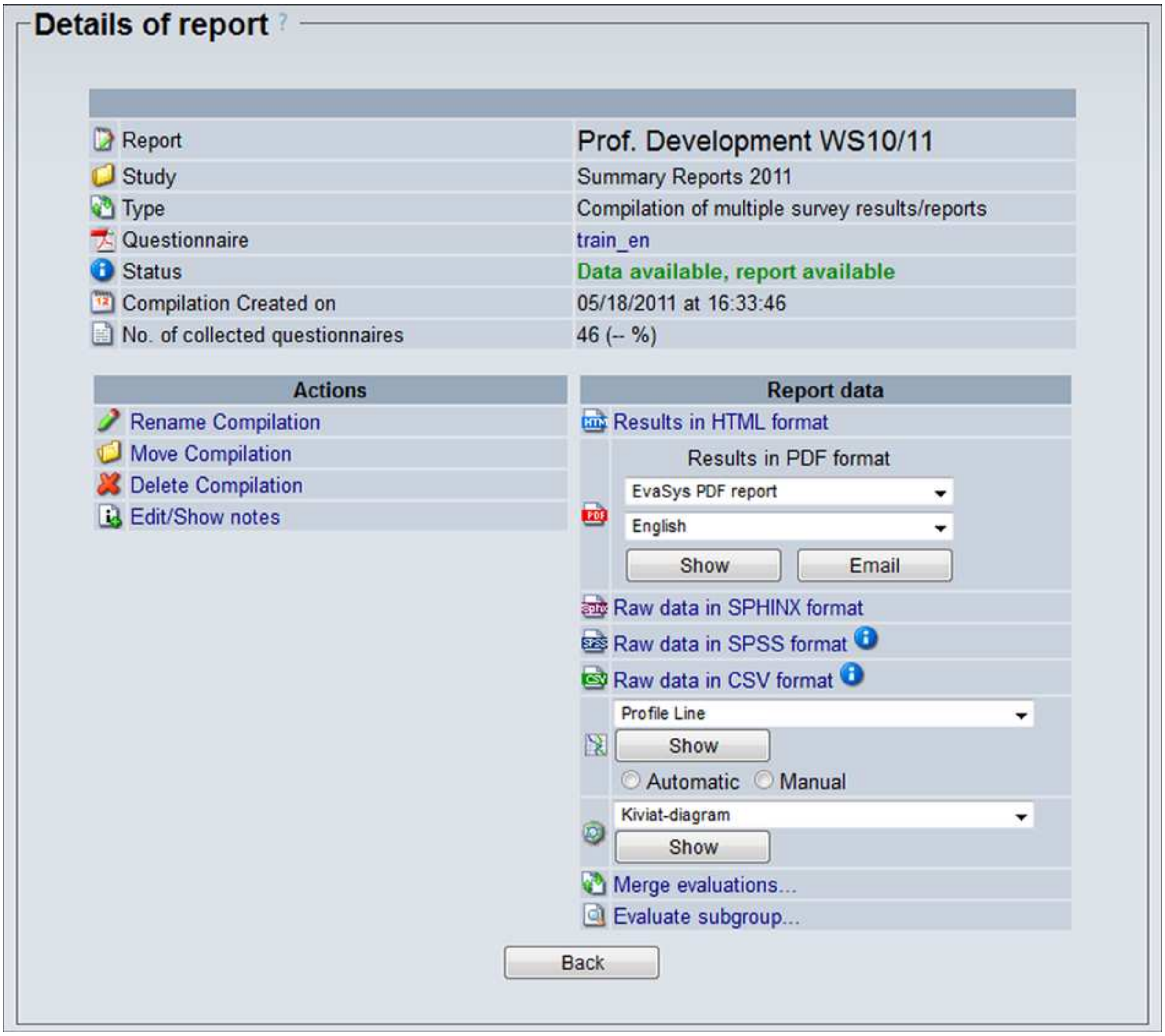
Prof. Development WS10/11	Data available	train_en	05/18/2011	046		HTML EvaSys PDF report	CSV SPHINX

Figure 378: Report Creator: Export Options

- You always have the option of the CSV and SPSS export.
- For representation reasons you see here only two of the options, the SPSS export is, however, displayed in the details of the report.

5.2.7. Information on a Report – Detailed View

If you click on the name of a report, the detailed view is displayed to you:



Details of report

Report	Prof. Development WS10/11
Study	Summary Reports 2011
Type	Compilation of multiple survey results/reports
Questionnaire	train_en
Status	Data available, report available
Compilation Created on	05/18/2011 at 16:33:46
No. of collected questionnaires	46 (-- %)

Actions
Rename Compilation
Move Compilation
Delete Compilation
Edit/Show notes
Report data
Results in HTML format
Results in PDF format
EvaSys PDF report
English
Show
Email
Raw data in SPHINX format
Raw data in SPSS format
Raw data in CSV format
Profile Line
Show
Automatic
Manual
Kiviat-diagram
Show
Merge evaluations...
Evaluate subgroup...
Back

Figure 379: Report Creator: Detailed View of a Report

Here you receive information on the name, the folder (= “Study”) and the type of the report created and, just like in the overview, you can call up the questionnaire template. The status, the creation date and the number of returns are also indicated here.

In the left part of the window in the area “Actions” you can rename the report – if for example you realize that you have produced a report bearing the same name as an existent one and, therefore, the date was added automatically at the end. Furthermore, you have the possibility of deleting the report.

In the right part of the window under “Survey data” you can download the evaluation in HTML and PDF format. If any user-defined PDF report definitions are associated with this questionnaire and/or if the questionnaire was translated, you can download the user-defined report or reports in other languages here.

In the following figure you can recognize, for example, that besides the EvaSys PDF report a user-defined report was produced automatically for the computer center. It contains, for example, only the questions which are important to the employees of the computer center:

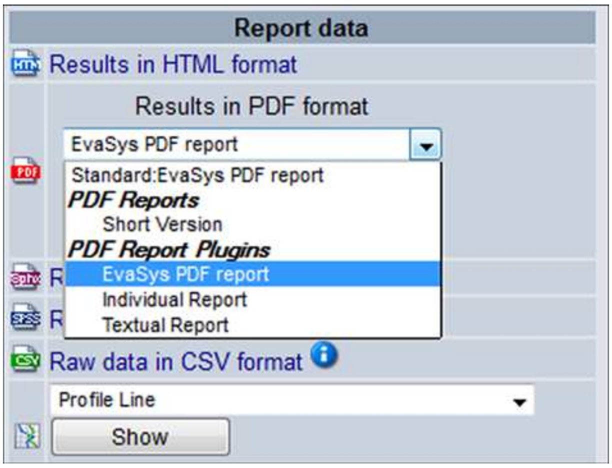

Report data
Results in HTML format
Results in PDF format
EvaSys PDF report
Standard:EvaSys PDF report
PDF Reports
Short Version
PDF Report Plugins
EvaSys PDF report
Individual Report
Textual Report
R
R
Raw data in CSV format
Profile Line
Show

Figure 380: Report Creator: Detailed View: Downloading User-defined PDF Reports

If your questionnaire was translated, you can decide here on the language in which to download the standard or the user-defined report. Here a selection is possible between “English” and “German”:

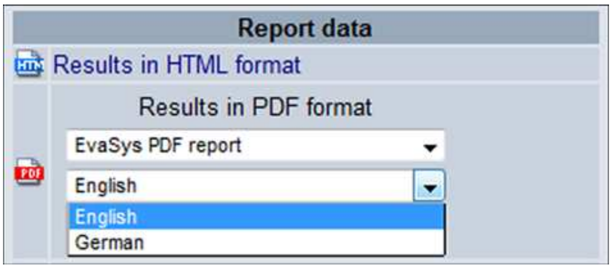
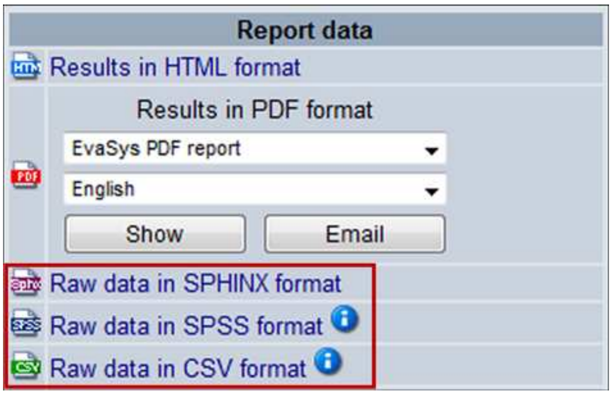

Report data
Results in HTML format
Results in PDF format
EvaSys PDF report
English
English
German

Figure 381: Report Creator: Detailed View - Downloading Multilingual Reports

So in this example you could download four different reports:

- the English standard report,
- the German standard report,
- the English report for the quality of teaching and
- the German report for the quality of teaching.

Below these options you have the possibility to export the raw data into the formats of SPHINX, SPSS and CSV:


Report data

Results in HTML format

Results in PDF format

EvaSys PDF report

English

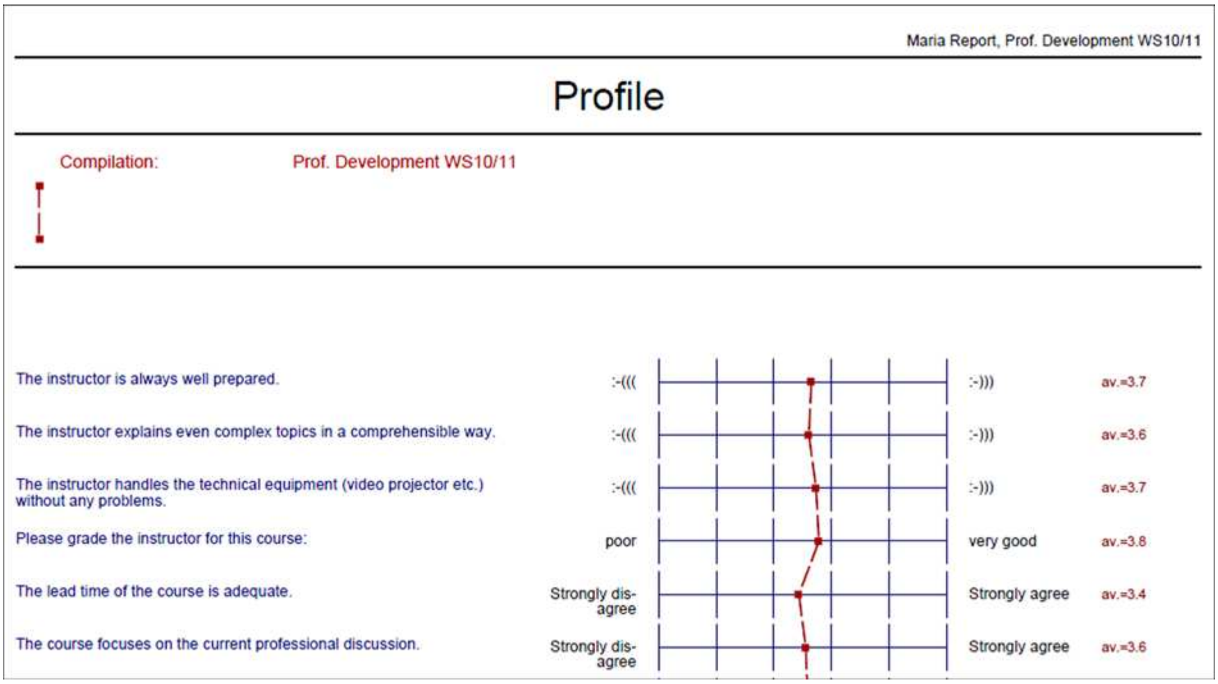
Raw data in SPHINX format

Raw data in SPSS format

Raw data in CSV format

Figure 382: Report Creator: Detailed View - Export Raw Data

The option “Profile line” allows you to have the profile lines of this report displayed separately:


Maria Report, Prof. Development WS10/11

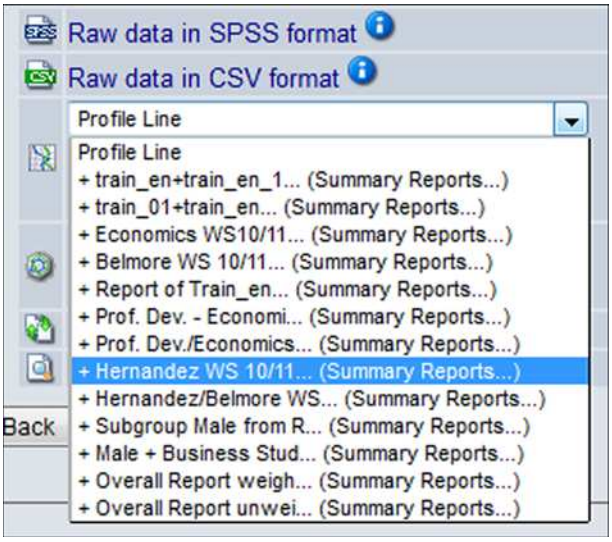
Profile

Compilation: Prof. Development WS10/11

The instructor is always well prepared.	:-(((	:-)))	av.=3.7
The instructor explains even complex topics in a comprehensible way.	:-(((	:-)))	av.=3.6
The instructor handles the technical equipment (video projector etc.) without any problems.	:-(((	:-)))	av.=3.7
Please grade the instructor for this course:	poor	very good	av.=3.8
The lead time of the course is adequate.	Strongly disagree	Strongly agree	av.=3.4
The course focuses on the current professional discussion.	Strongly disagree	Strongly agree	av.=3.6

Figure 383: Report Creator: Detailed View - Profile Line of the Report

Furthermore, EvaSys can add a further profile line which you can select in the drop-down menu:



Raw data in SPSS format

Raw data in CSV format

Profile Line

Profile Line
+ train_en+train_en_1... (Summary Reports...)
+ train_01+train_en... (Summary Reports...)
+ Economics WS10/11... (Summary Reports...)
+ Belmore WS 10/11... (Summary Reports...)
+ Report of Train_en... (Summary Reports...)
+ Prof. Dev. - Economi... (Summary Reports...)
+ Prof. Dev./Economics... (Summary Reports...)
+ Hernandez WS 10/11... (Summary Reports...)
+ Hernandez/Belmore WS... (Summary Reports...)
+ Subgroup Male from R... (Summary Reports...)
+ Male + Business Stud... (Summary Reports...)
+ Overall Report weigh... (Summary Reports...)
+ Overall Report unwei... (Summary Reports...)

Figure 384: Report Creator: Detailed View - Selection of a Comparative Profile Line

Via the option “Merge evaluations” the report can be combined with further reports, and via the option “Evaluate subgroup” it can be filtered according to a specific aspect. You can obtain further information on this topic in the chapter on combinations and subgroups.

Note:
The options “Merge evaluations” and “Evaluate subgroup” as well as the raw data exports are not available for reports with unweighted averages.

Further possibilities of comparison are described in the following chapter.

5.2.8. Dispatch of Comparative Profile Lines

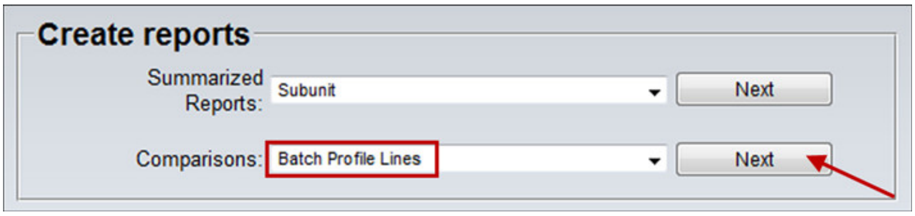
You are already familiar with profile lines from the automatically generated PDF reports. They give a graphic overview on the results of your evaluation.

You can download these profile lines in the report creator for all surveys and all reports produced by the report creator and lay them over one another. This way the report creator compares completed surveys with one another and/or with the created reports. Since this comparison provides at a glance a comfortable and expressive overview of surveys, it is conducted often. A popular application is the comparison of a survey with the subunit report as well as the total evaluation.

Before you can create comparison lines, the necessary surveys and reports must of course be available.

Creating and Downloading Comparative Profile Lines

When you have created these, select the option “Batch Profile Lines” from the second drop-down list in the folderfolder and click the button [Next]:



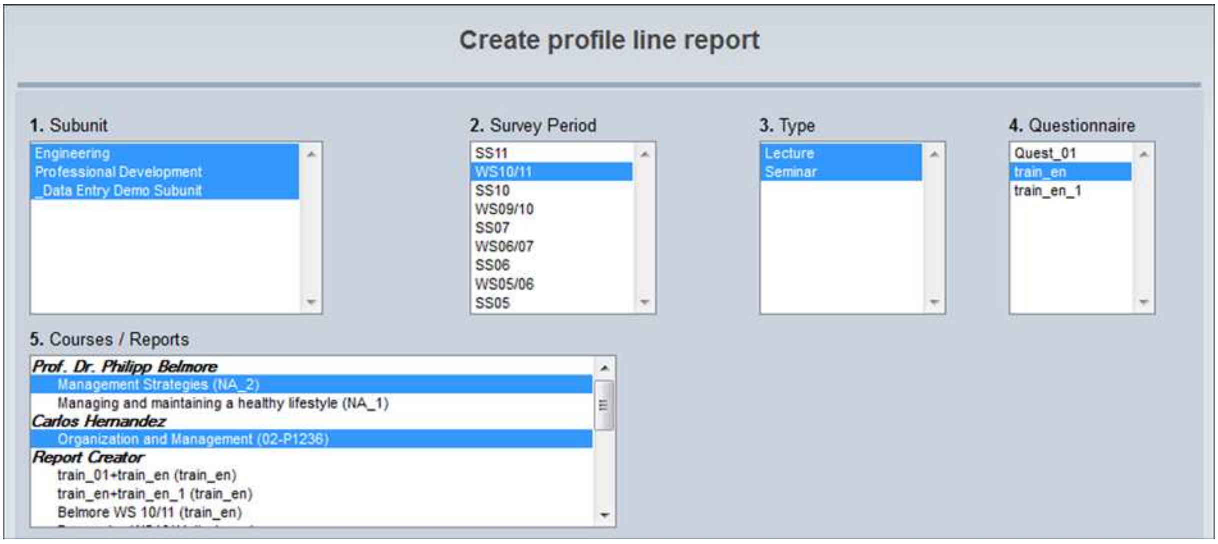
Summarized Reports: Subunit

Comparisons: Batch Profile Lines

Figure 385: Report Creator: Create Profile Line Emails

Then the usual choices are presented to you in a new window. Select the desired subunits, the survey periods (here no multiple selection is possible), the course types and the questionnaire (here no multiple selection is possible).

As usual, the list of courses that meet all criteria is displayed:



1. Subunit
Engineering
Professional Development
_Data Entry Demo Subunit

2. Survey Period
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06
SS05

3. Type
Lecture
Seminar

4. Questionnaire
Quest_01
train_en
train_en_1

5. Courses / Reports
Prof. Dr. Philipp Belmore
Management Strategies (NA_2)
Managing and maintaining a healthy lifestyle (NA_1)
Carlos Hernandez
Organization and Management (02-P1236)
Report Creator
train_01+train_en (train_en)
train_en+train_en_1 (train_en)
Belmore WS 10/11 (train_en)

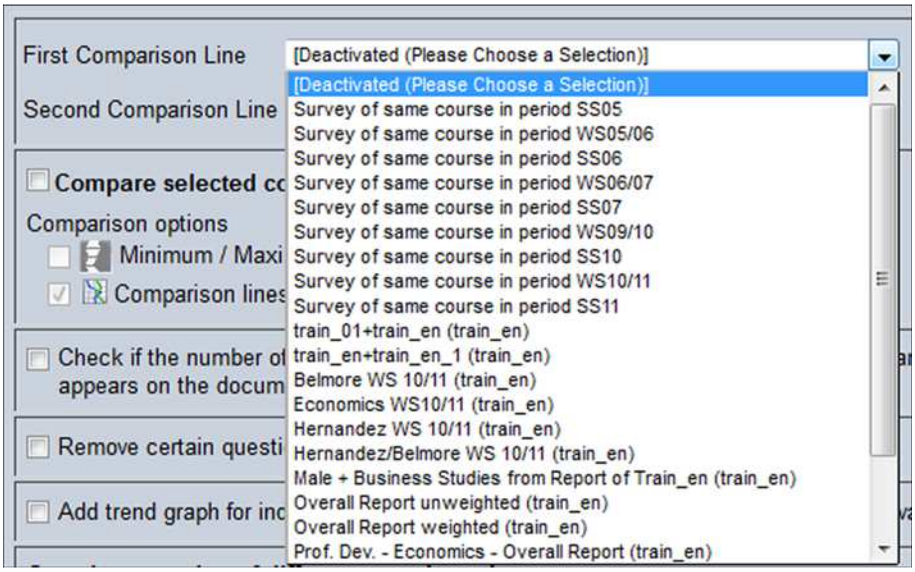
Figure 386: Report Creator: Profile Line Emails - Selection of Criteria

You can mark several courses/reports in the list of courses.

Additionally, you have the option to select the profile lines that every event should be compared with, under “First Comparison Line” and (as required) “Second Comparison Line”.

Instead of a report, the option “Survey of same course in period XY” can also be selected. This selection adds the line of an earlier survey to the profile line of a selected course, if available.

If you make such a selection and then download the profile lines, a profile line is created for each selected course/report (except for those of the two comparative lines). In addition, the first profile line and, if selected, the second profile line are laid over each other. You thus receive a document which bears at least as many pages as selected courses.



First Comparison Line [Deactivated (Please Choose a Selection)]

Second Comparison Line

☐ Compare selected cc

Comparison options

☐ Minimum / Maxi

☑ Comparison lines

☐ Check if the number of
appears on the docum

☐ Remove certain questi

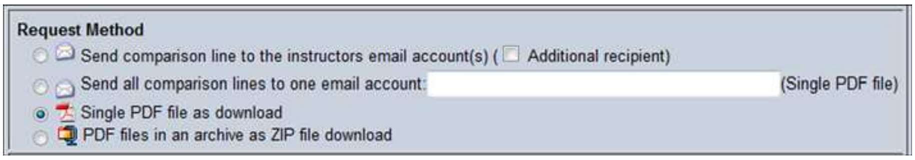
☐ Add trend graph for inc

[Deactivated (Please Choose a Selection)]
Survey of same course in period SS05
Survey of same course in period WS05/06
Survey of same course in period SS06
Survey of same course in period WS06/07
Survey of same course in period SS07
Survey of same course in period WS09/10
Survey of same course in period SS10
Survey of same course in period WS10/11
Survey of same course in period SS11
train_01+train_en (train_en)
train_en+train_en_1 (train_en)
Belmore WS 10/11 (train_en)
Economics WS10/11 (train_en)
Hernandez WS 10/11 (train_en)
Hernandez/Belmore WS 10/11 (train_en)
Male + Business Studies from Report of Train_en (train_en)
Overall Report unweighted (train_en)
Overall Report weighted (train_en)
Prof. Dev. - Economics - Overall Report (train_en)

Figure 387: Report Creator: Profile Line Emails - Selection of a Comparative Profile Line

After the selection you can scroll to the end of the page and choose one of the following download methods:

- Dispatch of the profile lines to the instructors of the marked courses. This option ensures that each instructor is only sent the profile line of his or her course (if selected, with the first and second comparative lines that are inserted into the graphic). If you mark the option “Additional recipient”, you are presented in a further field with the possibility to enter further email addresses (separated by a semicolon):



Request Method

○ Send comparison line to the instructors email account(s) (☐ Additional recipient)

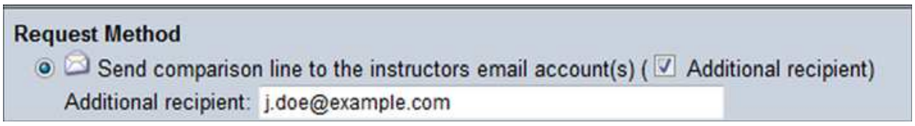
○ Send all comparison lines to one email account: (Single PDF file)

● Single PDF file as download

○ PDF files in an archive as ZIP file download

Figure 388: Report Creator: Profile Line Emails - Send a Comparative Profile Line

- Dispatch of the profile lines to defined recipients. As described above, enter the email addresses of the desired recipients. In this case, however, the instructors of the selected courses do not receive your email:



Request Method

● Send comparison line to the instructors email account(s) (☑ Additional recipient)

Additional recipient: j.doe@example.com

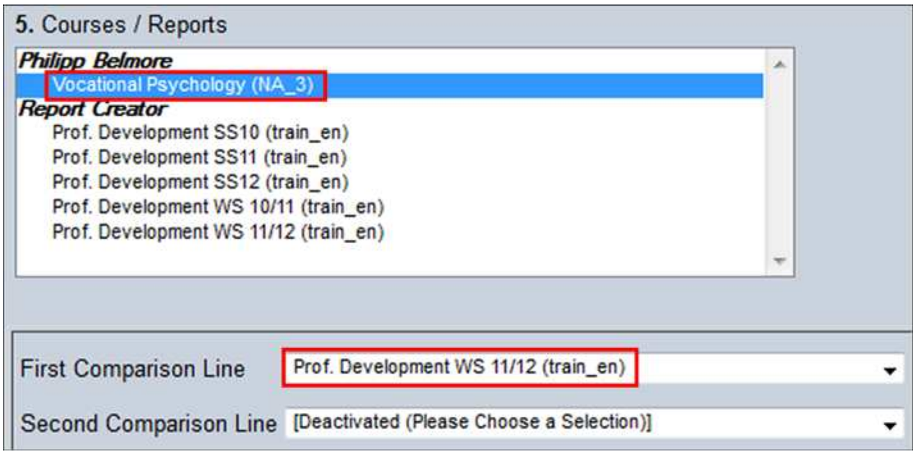
Figure 389: Report Creator: Profile Line Emails - Additional recipients

- Download of the profile lines. If you choose this option, you can subsequently open and view the profile line directly or save it.
- Download of the profile lines (zipped). Corresponds to the version just described with the difference that here you can download a zipped file.

Thus you download – except for the first option – a document containing the profile lines of all selected courses.

Example 1:

Here the course “Vocational Psychology (NA_3)” (instructor: Philipp Belmore) is selected from the list of courses, and as the first comparison line “Prof. Development WS11/12” (the name of the subunit report):



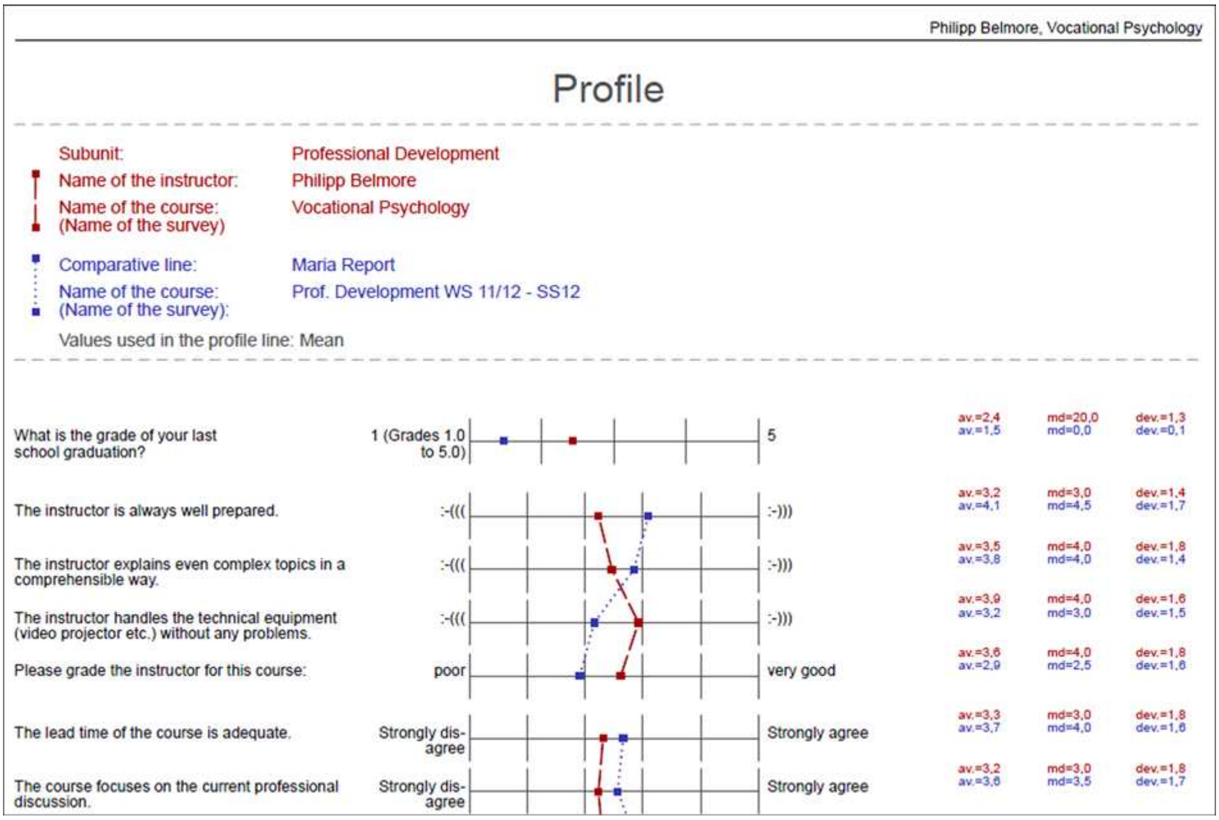
5. Courses / Reports

Philipp Belmore
Vocational Psychology (NA_3)
Report Creator
Prof. Development SS10 (train_en)
Prof. Development SS11 (train_en)
Prof. Development SS12 (train_en)
Prof. Development WS 10/11 (train_en)
Prof. Development WS 11/12 (train_en)

First Comparison Line: Prof. Development WS 11/12 (train_en)
Second Comparison Line: [Deactivated (Please Choose a Selection)]

Figure 390: Report Creator: Selection of Profile Line and Comparison Line

When you download with this selection the batch the following profile line appears:



Philipp Belmore, Vocational Psychology

Profile

Subunit: Professional Development
Name of the instructor: Philipp Belmore
Name of the course: (Name of the survey) Vocational Psychology

Comparative line: Maria Report
Name of the course: (Name of the survey): Prof. Development WS 11/12 - SS12

Values used in the profile line: Mean

What is the grade of your last school graduation?	1 (Grades 1.0 to 5.0)	5	av.=2,4 av.=1,5	md=20,0 md=0,0	dev.=1,3 dev.=0,1
The instructor is always well prepared.	:-(((	:-)))	av.=3,2 av.=4,1	md=3,0 md=4,5	dev.=1,4 dev.=1,7
The instructor explains even complex topics in a comprehensible way.	:-(((	:-)))	av.=3,5 av.=3,8	md=4,0 md=4,0	dev.=1,8 dev.=1,4
The instructor handles the technical equipment (video projector etc.) without any problems.	:-(((	:-)))	av.=3,9 av.=3,2	md=4,0 md=3,0	dev.=1,6 dev.=1,5
Please grade the instructor for this course:	poor	very good	av.=3,6 av.=2,9	md=4,0 md=2,5	dev.=1,8 dev.=1,6
The lead time of the course is adequate.	Strongly disagree	Strongly agree	av.=3,3 av.=3,7	md=3,0 md=4,0	dev.=1,8 dev.=1,6
The course focuses on the current professional discussion.	Strongly disagree	Strongly agree	av.=3,2 av.=3,6	md=3,0 md=3,5	dev.=1,8 dev.=1,7

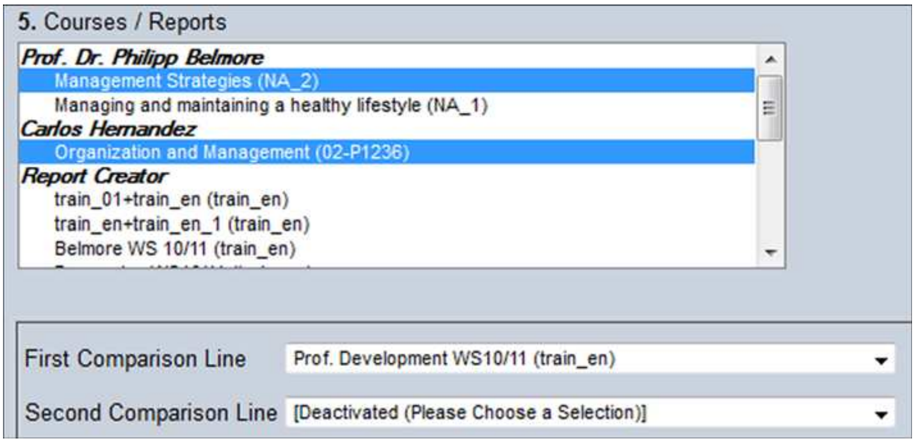
Figure 391: Report Creator: Comparative Profile Line

In the header you first see all of the information on the selected courses and/or reports, followed by the list of questions on the left which are complemented on the right by the two overlaid profile lines as well as averages.

As usual with the profile lines, only questions regarding the standard value and scaled questions are displayed here.

Example 2:

In addition to the course “Organization and Management” by Carlos Hernandez you also mark the course “Management Strategies” of Prof. Dr. Philipp Belmore, and again choose as comparative profile line “Prof. Development WS10/11”. You leave all other options at their default value:



5. Courses / Reports

Prof. Dr. Philipp Belmore
Management Strategies (NA_2)
Managing and maintaining a healthy lifestyle (NA_1)
Carlos Hernandez
Organization and Management (02-P1236)
Report Creator
train_01+train_en (train_en)
train_en+train_en_1 (train_en)
Belmore WS 10/11 (train_en)

First Comparison Line: Prof. Development WS10/11 (train_en)

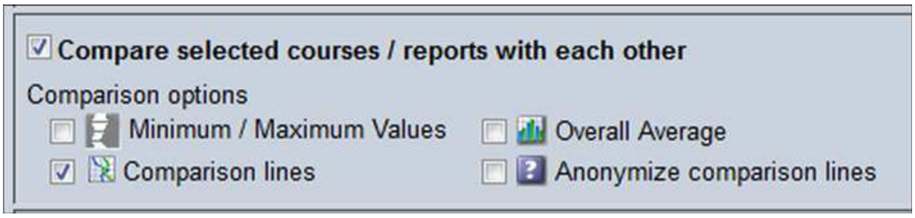
Second Comparison Line: [Deactivated (Please Choose a Selection)]

Figure 392: Report Creator: Select two Courses + Comparison Line

In this case in the PDF you will see the profile line comparison shown above on the second page. On the first page the profile line of the course of Prof. Dr. Belmore is compared to the first comparative line (Prof. Development WS10/11). (Exception: you send out these comparative lines, then Prof. Sunny Narrow and Prof. Dr. Michel White each receive their profile line compared with the subunit report.)

Comparison Options during the Batch Profile Line Dispatch

Below the selection of the comparative lines you have the option to modify the presentation of the profile line comparison through a number of options, or to integrate additional comparative lines:



☑ **Compare selected courses / reports with each other**

Comparison options

☐ Minimum / Maximum Values
☐ Overall Average
☑ Comparison lines
☐ Anonymize comparison lines

Figure 393: Report Creator: Profile Line Emails: Options

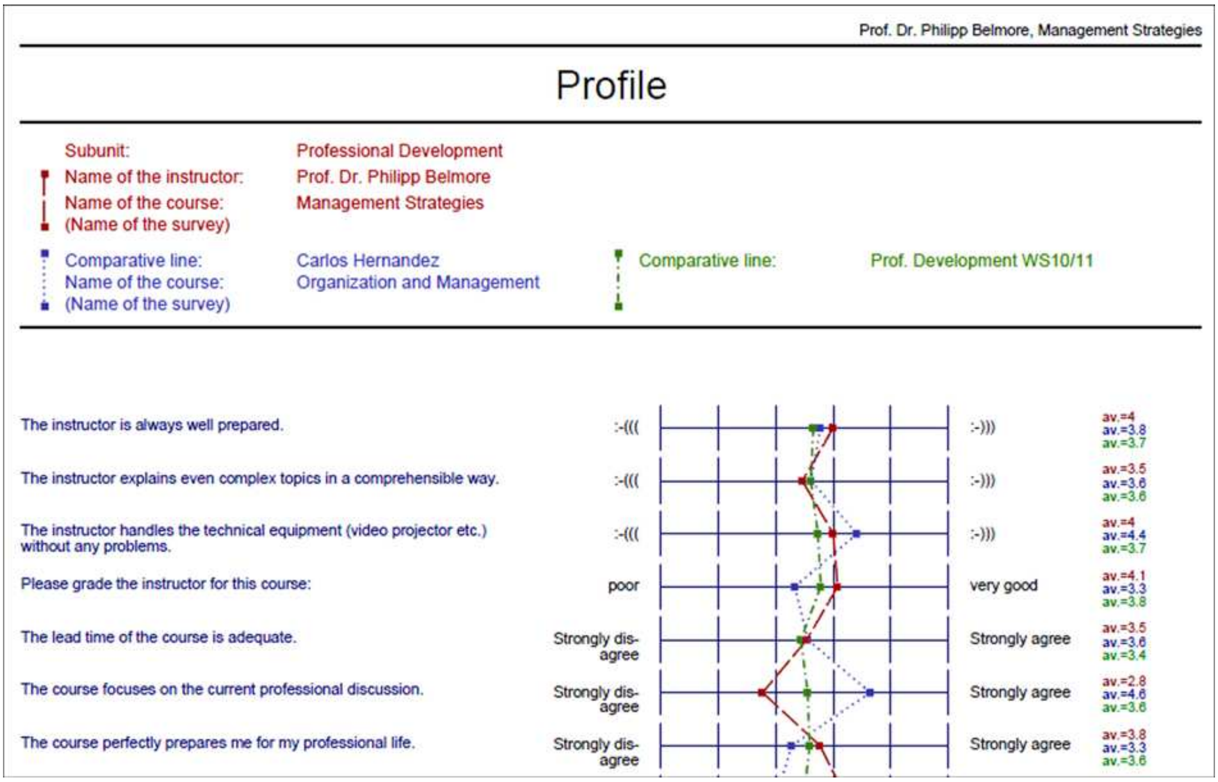
Comparison of the Selected Courses/of Reports to Each Other

Activate this option if you wish to compare the selected courses/reports not only with the respective comparative lines, but also with one another.

Though in this case a profile line comparison is created for each course/report, the profile lines of ALL selected courses/reports are contained in each graphic.

Example 2, continuation:

In the upper example 2 this would mean that in the graphic for Philipp Belmore (Management Strategies) additionally the profile for Carlos Hernandez (Organization and Management) is included and the other way round as you can see in the figure below.



Prof. Dr. Philipp Belmore, Management Strategies

Profile

Subunit:	Professional Development
Name of the instructor:	Prof. Dr. Philipp Belmore
Name of the course: (Name of the survey)	Management Strategies
Comparative line:	Carlos Hernandez
Name of the course: (Name of the survey)	Organization and Management
Comparative line:	Prof. Development WS10/11

The instructor is always well prepared.	:-(((	:-)))	av.=4 av.=3.8 av.=3.7
The instructor explains even complex topics in a comprehensible way.	:-(((	:-)))	av.=3.5 av.=3.6 av.=3.6
The instructor handles the technical equipment (video projector etc.) without any problems.	:-(((	:-)))	av.=4 av.=4.4 av.=3.7
Please grade the instructor for this course:	poor	very good	av.=4.1 av.=3.3 av.=3.8
The lead time of the course is adequate.	Strongly disagree	Strongly agree	av.=3.5 av.=3.6 av.=3.4
The course focuses on the current professional discussion.	Strongly disagree	Strongly agree	av.=2.8 av.=4.6 av.=3.6
The course perfectly prepares me for my professional life.	Strongly disagree	Strongly agree	av.=3.8 av.=3.3 av.=3.6

Figure 394: Report Creator: Profile Line Emails - Compare Selected Courses with Each Other

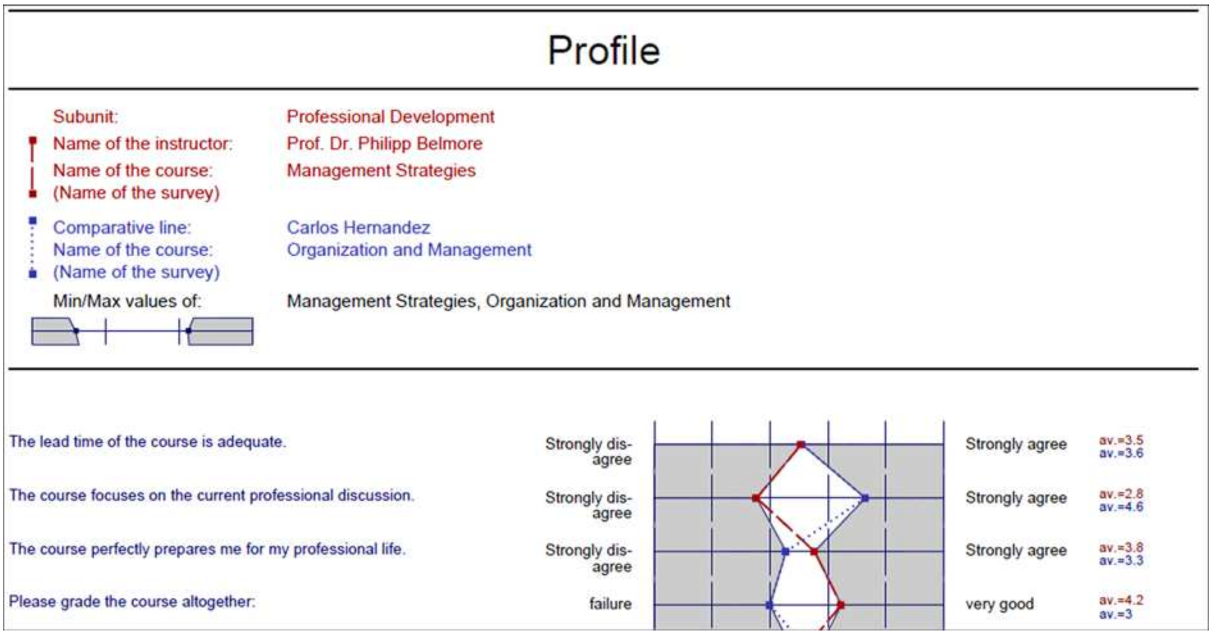
Please note:

You can compare a maximum of eight courses/reports.

If you do not activate the option “Comparison of the selected courses/of reports to each other”, the number of eligible courses is unlimited. (But then the profile lines will not be shown in one and the same diagram.)

Minimum/Maximum Values

The worst or the best value within a comparison group determines the margin of the presentation area. If the option “Minimum/Maximum Values” is activated, the space between these worst or best values and the scale edges is grayed in:



Profile

Subunit: Professional Development
Name of the instructor: Prof. Dr. Philipp Belmore
Name of the course: Management Strategies
(Name of the survey)

Comparative line: Carlos Hernandez
Name of the course: Organization and Management
(Name of the survey)

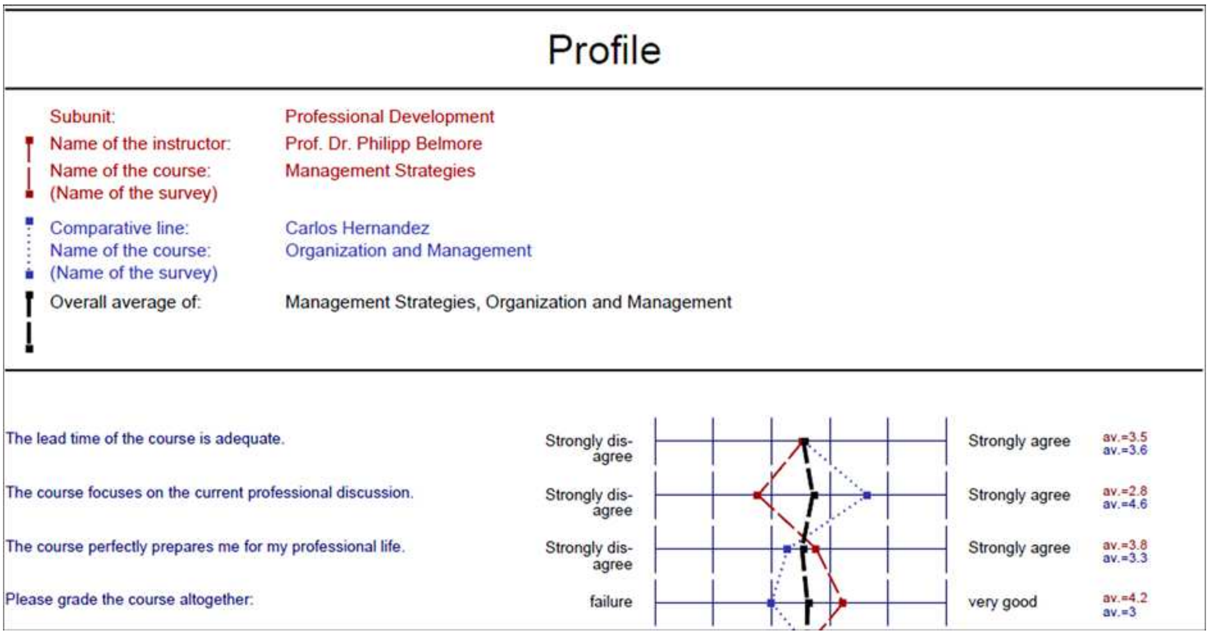
Min/Max values of: Management Strategies, Organization and Management

The lead time of the course is adequate.	Strongly dis-agree		Strongly agree	av.=3.5 av.=3.6
The course focuses on the current professional discussion.	Strongly dis-agree		Strongly agree	av.=2.8 av.=4.6
The course perfectly prepares me for my professional life.	Strongly dis-agree		Strongly agree	av.=3.8 av.=3.3
Please grade the course altogether:	failure		very good	av.=4.2 av.=3

Figure 395: Report Creator: Profile Line Emails - Options: Minimum/Maximum Values

Overall Average

In addition to the profile lines of the courses/reports you selected you can have their overall average displayed (as a thick black line). For this, activate the option “Overall Average” in the comparison options. Here you see an example:



Profile

Subunit: Professional Development
Name of the instructor: Prof. Dr. Philipp Belmore
Name of the course: Management Strategies
(Name of the survey)

Comparative line: Carlos Hernandez
Name of the course: Organization and Management
(Name of the survey)

Overall average of: Management Strategies, Organization and Management

The lead time of the course is adequate.	Strongly dis-agree		Strongly agree	av.=3.5 av.=3.6
The course focuses on the current professional discussion.	Strongly dis-agree		Strongly agree	av.=2.8 av.=4.6
The course perfectly prepares me for my professional life.	Strongly dis-agree		Strongly agree	av.=3.8 av.=3.3
Please grade the course altogether:	failure		very good	av.=4.2 av.=3

Figure 396: Report Creator: Profile Line Emails - Options: “Overall average”

Comparative Lines

This option is activated as default. Because it ensures that all comparative lines are displayed.

If you deactivate the “Comparison lines”, the graphic only contains the profile line of the selected course/report, all others are not displayed.

So that you can use this function meaningfully in its deactivated form, you should bear in mind the following two points:

- If this option is deactivated, you must select either “Minimum/Maximum Values” or “Overall Average” instead (or, of course, both). Since through the deactivated function you do not display anything but the current course, a comparison is otherwise not possible.
- Do not activate any first or second comparative line, as then you would restrict yourself to “5. Courses/Reports”, in order to select profile lines.

If you activate the “Minimum/Maximum Values” and/or the “Overall Average” but deactivate the “Comparison lines”, only the respective current profile line will be displayed to you; the values of further courses/reports, however, flow into the calculation of the minimum/maximum values and that of the total average.

Example:

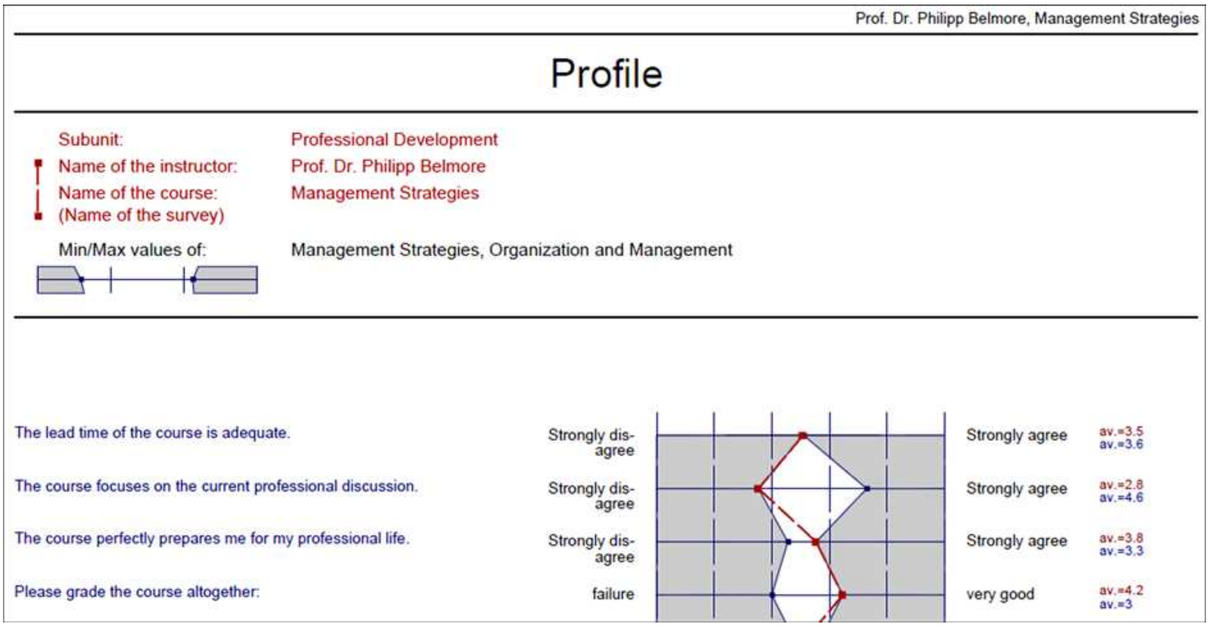
In practice, this looks, for example, as follows:

Under “5. Courses/Reports” you select “Management Strategies” and “Organization and Management” as well as the report “Prof. Development WS10/11”. The first and second comparative line remain deactivated.

Now tick “Comparison of selected courses/of reports with each other” (no necessity, but is advisable).

In the comparison options the “Minimum/Maximum Values” are activated, and “Comparison lines” and the two other options are deactivated.

Everything else remains the same. The graphic contains only one course each in this example, but the values of the others are taken into account, clearly proven by the grayed zones.



Prof. Dr. Philipp Belmore, Management Strategies

Profile

Subunit: Professional Development
Name of the instructor: Prof. Dr. Philipp Belmore
Name of the course: Management Strategies
(Name of the survey)

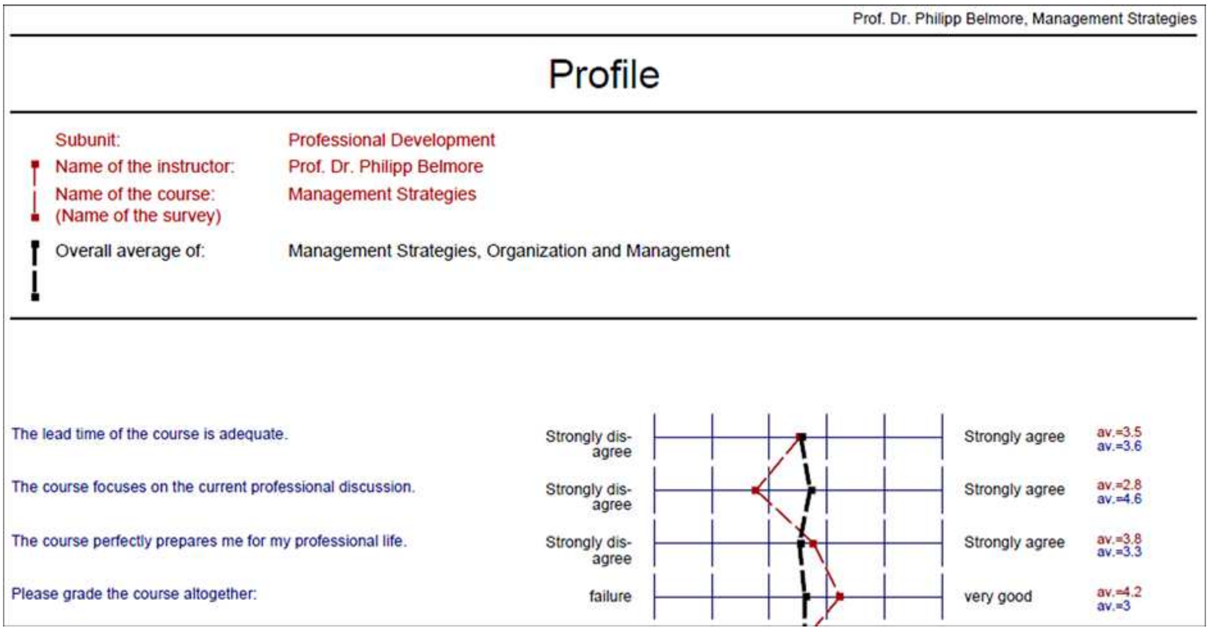
Min/Max values of: Management Strategies, Organization and Management

The lead time of the course is adequate.	Strongly dis-agree	Strongly agree	av.=3.5	av.=3.6
The course focuses on the current professional discussion.	Strongly dis-agree	Strongly agree	av.=2.8	av.=4.6
The course perfectly prepares me for my professional life.	Strongly dis-agree	Strongly agree	av.=3.8	av.=3.3
Please grade the course altogether:	failure	very good	av.=4.2	av.=3

Figure 397: Report Creator: Profile Line Emails - Options: ”Comparative line” (deactivated) with Minimum and Maximum Values

Here you only see one profile line (in this case for the first selected course). The gray zones show, however, that the calculation of the minimum and maximum values includes further values.

If you activate the overall average profile line instead of the minimum and maximum values, this profile line appears in addition to the profile line of the current course:



Prof. Dr. Philipp Belmore, Management Strategies

Profile

Subunit: Professional Development
Name of the instructor: Prof. Dr. Philipp Belmore
Name of the course: Management Strategies
(Name of the survey)

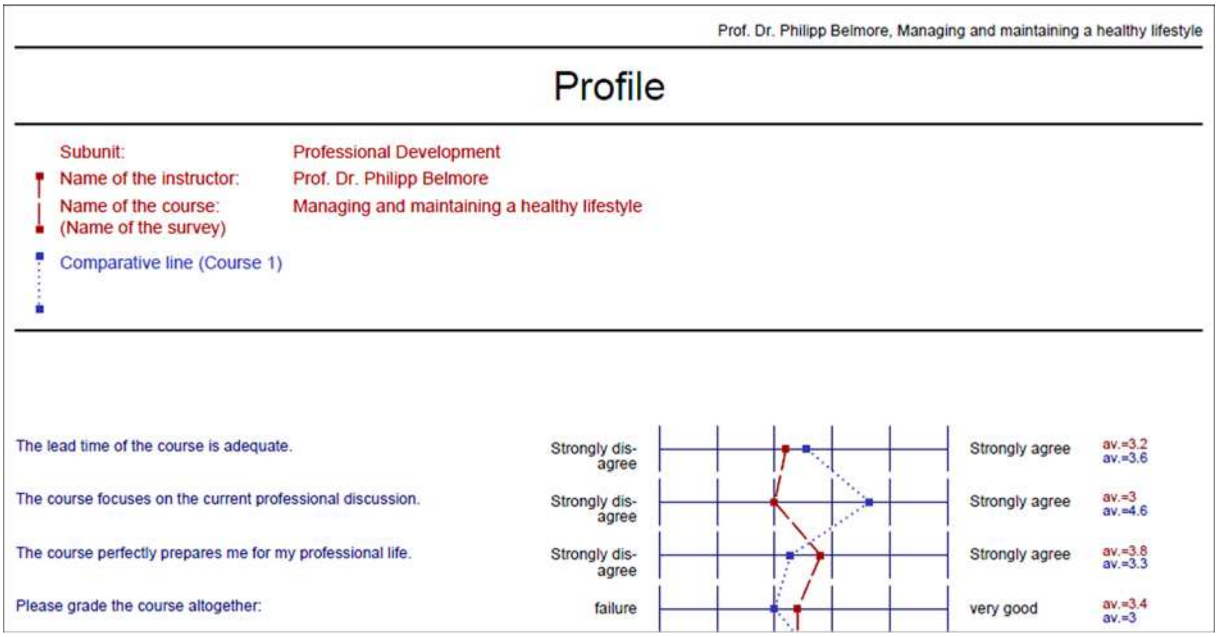
Overall average of: Management Strategies, Organization and Management

The lead time of the course is adequate.	Strongly dis-agree	Strongly agree	av.=3.5	av.=3.6
The course focuses on the current professional discussion.	Strongly dis-agree	Strongly agree	av.=2.8	av.=4.6
The course perfectly prepares me for my professional life.	Strongly dis-agree	Strongly agree	av.=3.8	av.=3.3
Please grade the course altogether:	failure	very good	av.=4.2	av.=3

Figure 398: Report Creator: Profile Line Emails - Options: “Comparative line” (deactivated) with the Overall Average

Anonymizing Comparative Line

With the comparison of several events/reports to each other it is possible, for data protection reasons, to anonymize the names of all comparative lines. So the instructor to whose course it relates, only sees the name of his course, the rest is anonymized (“Comparative line [Course1]”/“Comparative line[Report 1]”).



Prof. Dr. Philipp Belmore, Managing and maintaining a healthy lifestyle

Profile

Subunit:	Professional Development
Name of the instructor:	Prof. Dr. Philipp Belmore
Name of the course: (Name of the survey)	Managing and maintaining a healthy lifestyle
Comparative line (Course 1)	

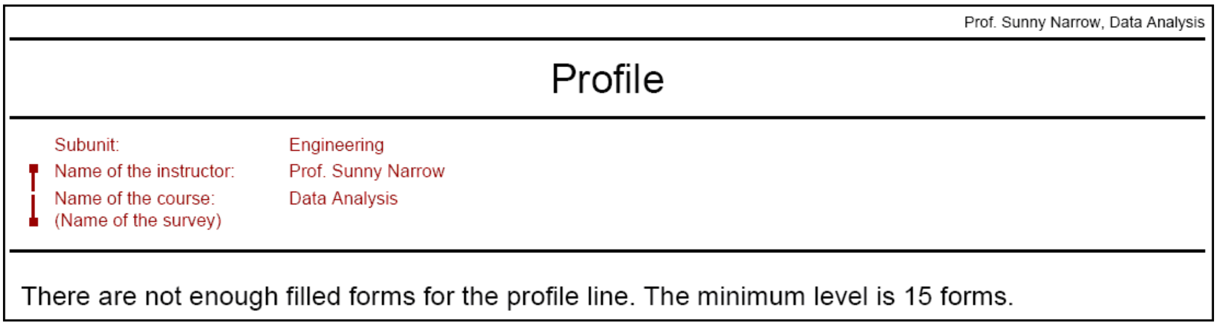
The lead time of the course is adequate.	Strongly disagree	Strongly agree	av.=3.2 av.=3.6
The course focuses on the current professional discussion.	Strongly disagree	Strongly agree	av.=3 av.=4.6
The course perfectly prepares me for my professional life.	Strongly disagree	Strongly agree	av.=3.8 av.=3.3
Please grade the course altogether:	failure	very good	av.=3.4 av.=3

Figure 399: Report Creator: Create Profile Line Emails - Options: “Anonymize comparative lines”

Of course these options can also be combined. You could, for example, have a profile line comparison displayed to you in which you mark the minimum and maximum values with gray, add the total average to the graphic and anonymize the comparative lines.

Hint on Falling Short “Short Number of Minimum Responses”

If you wish to display the profile lines only for the surveys that achieved a certain level of participation you can freely define this through “Check if the number of completed forms exceeds the minimum level (defined in parameters)”. If this option is activated, the limitation applies which the administrator has set in the menu “System Settings/ EvaSys Settings/Survey/Minimum number of returns for reporting”. If the number of returns to a survey lies below this value, instead of a profile line a corresponding message is displayed:



Prof. Sunny Narrow, Data Analysis

Profile

Subunit:	Engineering
Name of the instructor:	Prof. Sunny Narrow
Name of the course: (Name of the survey)	Data Analysis

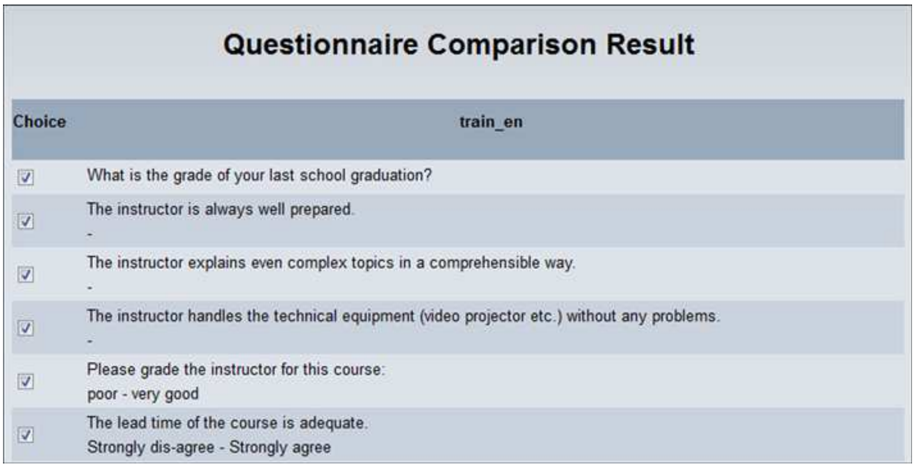
There are not enough filled forms for the profile line. The minimum level is 15 forms.

Figure 400: Report Creator: Create Profile Line Emails - Options: “Check if the number of completed forms exceeds the minimum level (defined in parameters)”

Excluding Questions from the Presentation

When you activate the option “Remove certain questions from profile line(s)” and click on [Request], the questions of the questionnaire are displayed prior to the dispatch or download, so that you can exclude individual questions from the presentation of the profile line.

Of course, only those questions that can also appear in the profile line are presented, meaning only questions regarding the standard value and scaled questions:



Questionnaire Comparison Result

Choice	train_en
☑	What is the grade of your last school graduation?
☑	The instructor is always well prepared. -
☑	The instructor explains even complex topics in a comprehensible way. -
☑	The instructor handles the technical equipment (video projector etc.) without any problems. -
☑	Please grade the instructor for this course: poor - very good
☑	The lead time of the course is adequate. Strongly dis-agree - Strongly agree

Figure 401: Report Creator: Profile Line Emails - Option: “Remove certain questions from profile line(s)”

Adding Trend Graphic

If you have defined indicators for the relevant questionnaire, you can display a trend graphic in addition to the profile line. For this purpose, mark the option “Add trend graphic for indicators to the profile line (as far as corresponding data is available over several survey periods)”.

The trend graphic shows you a course of time of the averages for indicators determined over several survey periods:

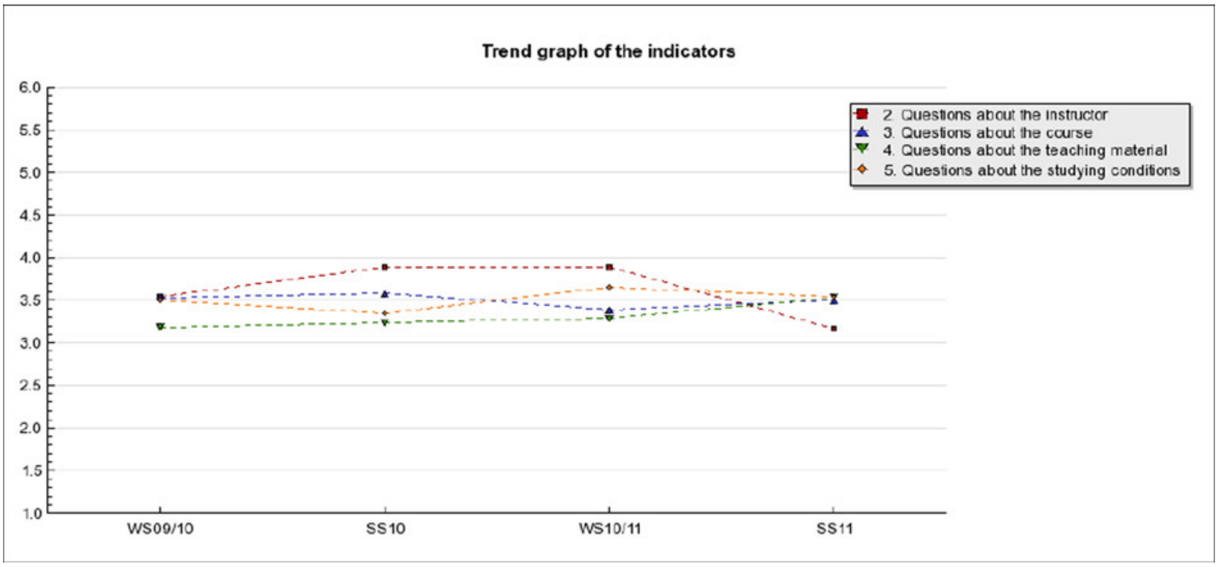


Figure 402: Report Creator: Profile Line Emails - Trend Graph

Prerequisite for this is the availability of indicators on the selected questionnaire as well as captured data from several survey periods. The trend graphics each show groups of up to five indicators with a maximum of five survey periods in one graphic. If data is available from more than five survey periods, the graphics are divided up correspondingly.

Assignment of the Questions in the Case of Different Questionnaires

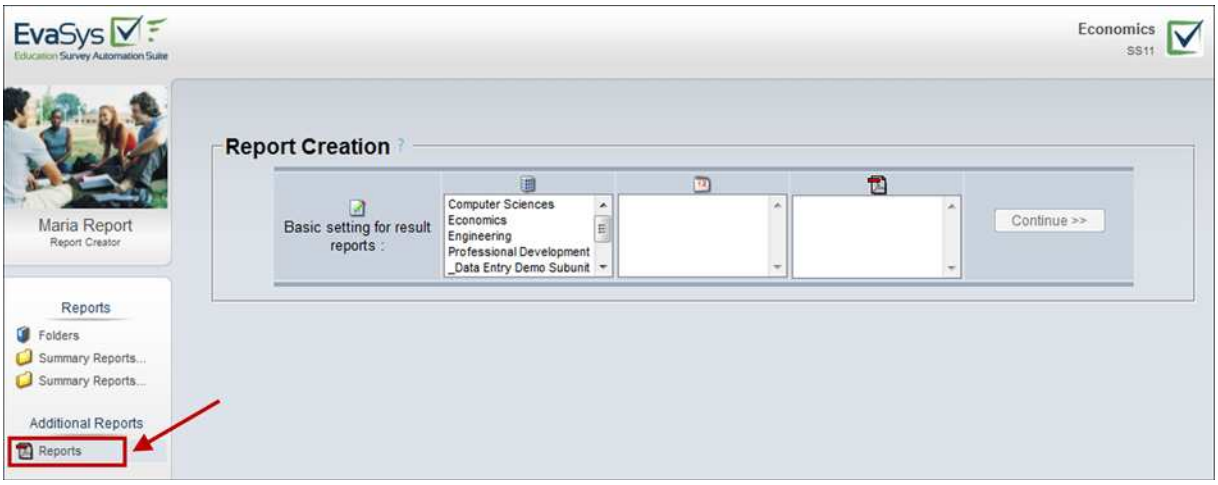
As you are familiar from the report creation, with profile line comparison you have the option to compare surveys that are based on different (but comparable) questionnaires. To do so, there both options are available: the automatic and the manual questionnaire comparison. Please activate one of the two options here if you use surveys with several questionnaires.

With these options you have diverse possibilities to use the batch profile lines for comparison purposes. In conjunction with the summary reports, this is a powerful tool for processing your data at hand.

5.2.9. Result Reports

With the report creator you can download further reports that provide an overview of survey results to the management of your institution or your company. You can find these reports in the menu “Reports” on the left hand side.

Using this function you can create summary reports for the president for studies, the deans of studies as well as the deans, which give them an overview of the results of the evaluations. These functionalities are for questionnaires that were set up for the creation of summary reports.


EvaSys Education Survey Automation Suite
Economics
SS11
Maria Report
Report Creator
Reports
Folders
Summary Reports...
Summary Reports...
Additional Reports
Reports
Continue >>

Report Creation

Basic setting for result reports :

Computer Sciences
Economics
Engineering
Professional Development
_Data Entry Demo Subunit

Figure 403: Additional Reports

There are three report forms for summary reports:

- Report for the president

  Contains an overall indicator for all surveys in the past semester sorted according to subunits.

- Report for the dean

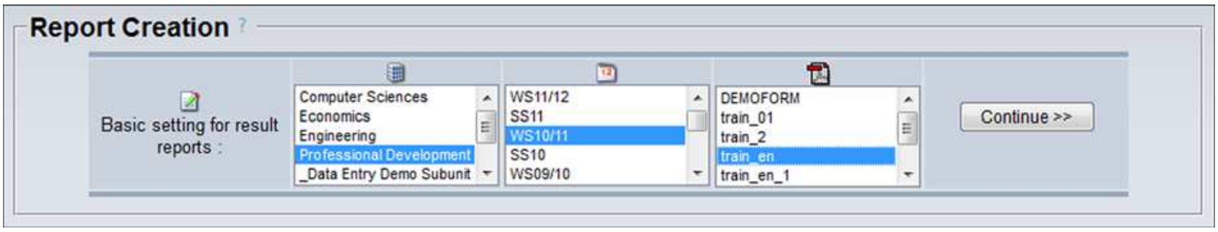
  Contains an overall indicator as well as individual indicators for all surveys in the past semester in his or her own subunit.

- Report for the dean of studies

  The dean of studies selects from a general list of all surveys in all subunits those which should be compiled in his report. The report has the same degree of detail as for the dean.

General Settings

First you must select a general setting. Choose a subunit, a survey period and a questionnaire and then click on [Continue >>].



Report Creation

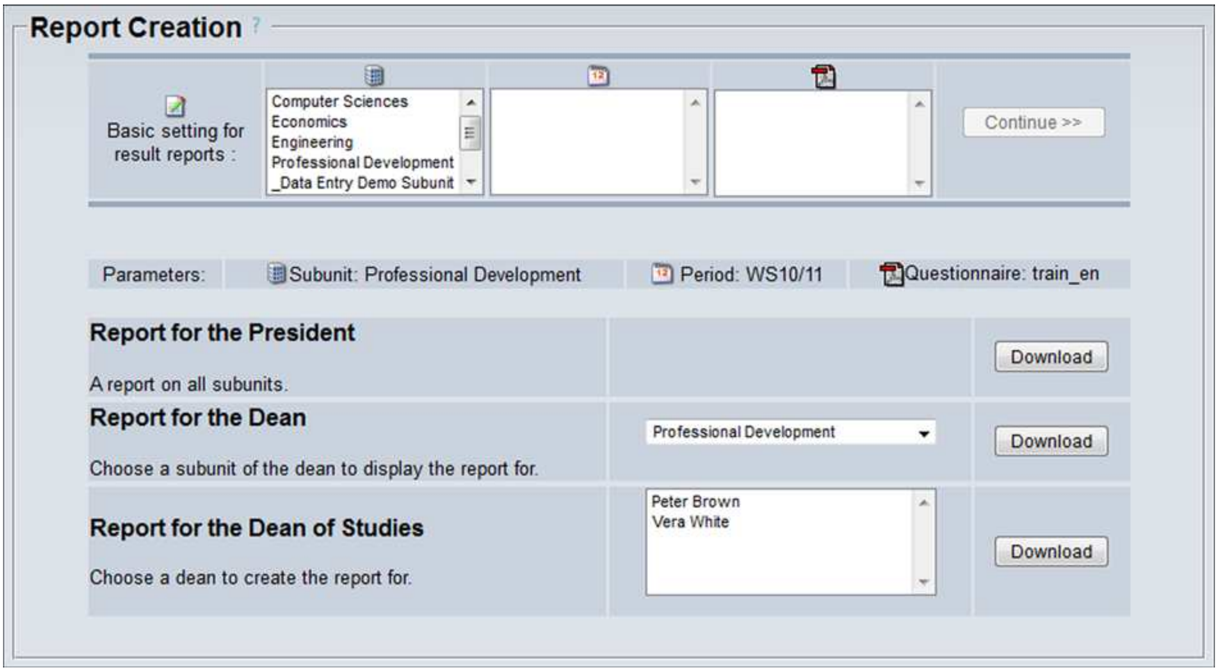
Basic setting for result reports :

Computer Sciences
Economics
Engineering
Professional Development
_Data Entry Demo Subunit

WS11/12
SS11
WS10/11
SS10
WS09/10

DEMOFORM
train_01
train_2
train_en
train_en_1

Figure 404: Additional Reports: First Choose



Basic setting for result reports :

Computer Sciences
Economics
Engineering
Professional Development
_Data Entry Demo Subunit

Parameters: Subunit: Professional Development | Period: WS10/11 | Questionnaire: train_en

Report for the President

A report on all subunits.

Report for the Dean

Choose a subunit of the dean to display the report for.

Professional Development

Report for the Dean of Studies

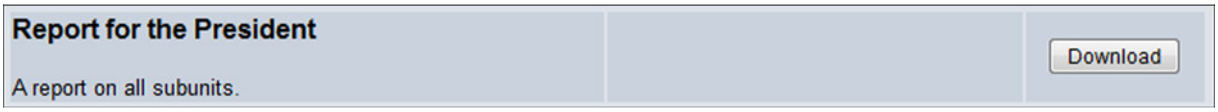
Choose a dean to create the report for.

Peter Brown
Vera White

Figure 405: Additional Reports: Generating aggregated Reports

The general setting can always be selected again at the bottom of the screen “generating reports” and applied with [Next].

Report for the President



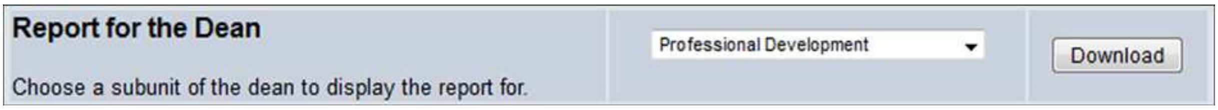
Report for the President

A report on all subunits.

Figure 406: Additional Reports: Report for the President

Click on [Download] to create the PDF document. You will then be able to download it shortly.

Report for the Dean



Report for the Dean

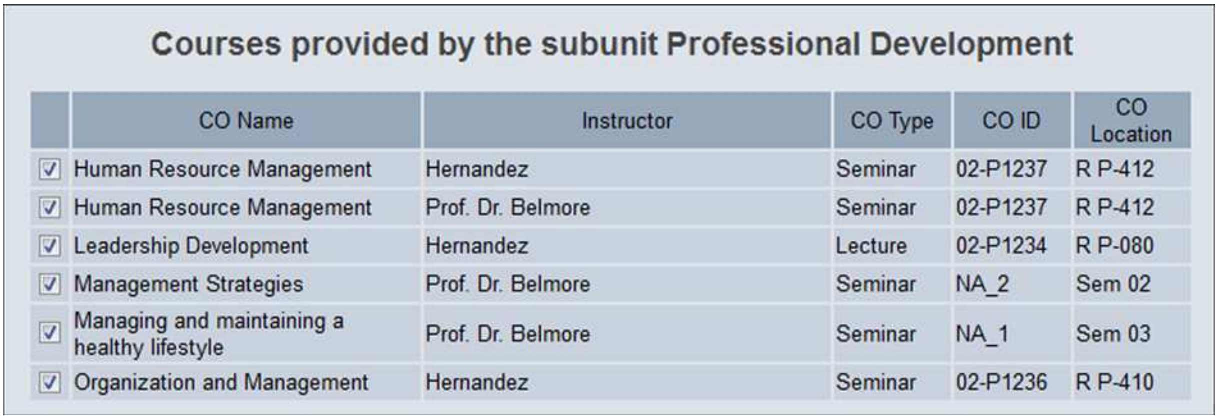
Choose a subunit of the dean to display the report for.

Professional Development

Figure 407: Additional Reports: Report for the Dean

Select the subunit. For the letter accompanying the report the address in the subunit details will be used. The dean will be addressed in neutral terms as he or she is not in the system as user. Click on [Download] in order to create the document.

Report for the Dean of Studies



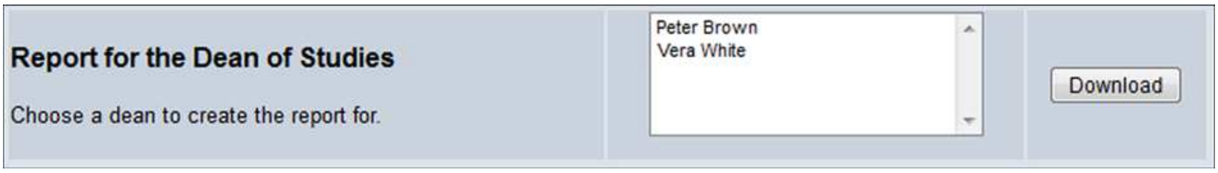
Courses provided by the subunit Professional Development

	CO Name	Instructor	CO Type	CO ID	CO Location
☑	Human Resource Management	Hernandez	Seminar	02-P1237	R P-412
☑	Human Resource Management	Prof. Dr. Belmore	Seminar	02-P1237	R P-412
☑	Leadership Development	Hernandez	Lecture	02-P1234	R P-080
☑	Management Strategies	Prof. Dr. Belmore	Seminar	NA_2	Sem 02
☑	Managing and maintaining a healthy lifestyle	Prof. Dr. Belmore	Seminar	NA_1	Sem 03
☑	Organization and Management	Hernandez	Seminar	02-P1236	R P-410

Figure 408: Additional Reports: Selection of Courses for the Dean of Studies

For the report type dean of studies it is essential that the user profile of the type dean of studies has been set up.

The deans of studies can then login with user name and password and from a list of all evaluated courses select those that they would like to have in their report. The user type dean of studies cannot however create this report himself. This is done on the report creator interface



Report for the Dean of Studies

Choose a dean to create the report for.

Figure 409: Additional Reports_ Report for the Dean of Studies

Select the name of the dean of studies whose report should be created. Click on [Download] to create the document.

5.2.10. Integrating Profile Comparison Lines in the PDF Report

Comparative Profile Lines in the PDF Report – Fundamental Possibilities

The automatically generated PDF report of a survey shows you (if activated in the configuration of the corresponding PDF report) a profile line at the end. With regard to scaled and matrix questions, it gives you an idea of how the interviewees voted.

As report creator, you can compare the profile lines of the evaluated surveys with each other or with the profile lines of other reports available. The profile line comparison gives you one or more PDF documents in which several profile lines are placed next to each other. The following conditions are necessary in order to create these documents:

- You have already collected data.
- As a Report Creator, you can manually recall or send documents for the existing data

- The documents are independent of a specific PDF report and are not integrated as such.

You also have the possibility of displaying other comparison lines together in addition to the current profile lines in the automatically generated PDF report. Whereby the following comparison lines are possible:

- Comparison lines from (up to five) previous periods as well as
- A comparison line, originating from a report of a report creator.

If the relevant data is already available in the system, the relevant comparison lines will be displayed together with the profile lines of the survey in the profile line of the automatically generated PDF reports.

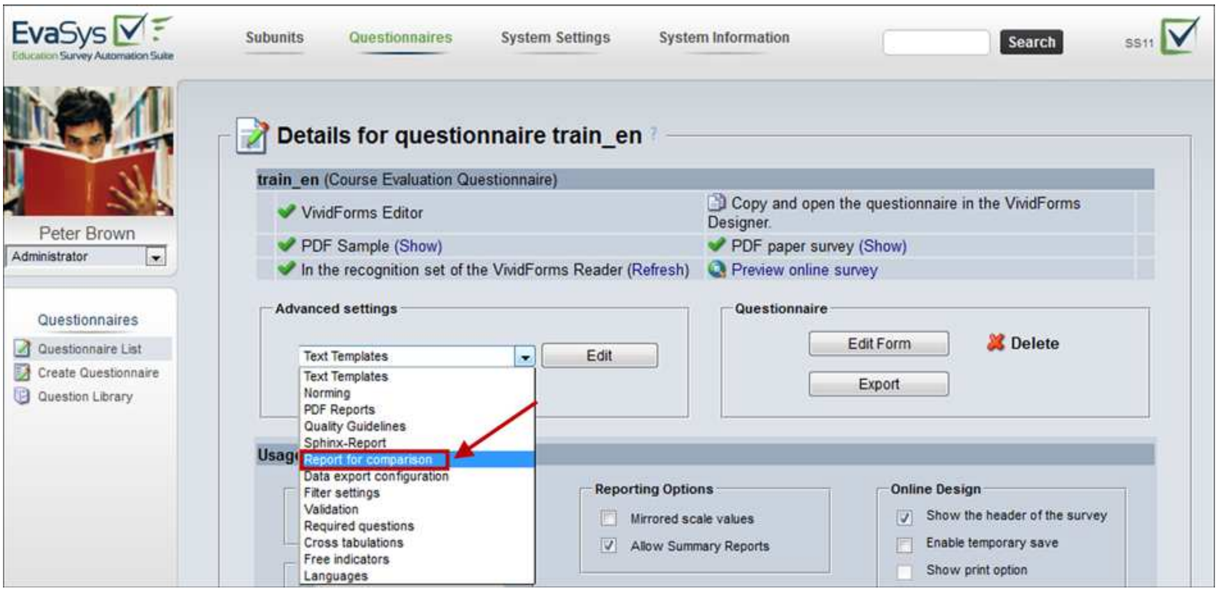
You specify which profile lines you would like to see in a PDF report in the details of the questionnaire (Main menu “System Settings” → questionnaire list → click on the name of the relevant questionnaire).

Note:
You should login under the EvaSys user role which created the questionnaire (Administrator/Subunit administrator).

Profile Line Comparison in the PDF Report – Add Previous Period

In the details of a questionnaire, you can define the number of previous periods which should be compared with the current period. This means: the profile line of the period of the current survey will be compared to the profile lines of the survey of the same course from the previous period.

In order to activate the profile lines for a questionnaire, go to the questionnaire details, in the area “Evaluations” and select the option “Comparison report” in the drop-down menu and click subsequently on [Edit]:


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Questionnaires
Questionnaire List
Create Questionnaire
Question Library
Advanced settings
Text Templates
Edit
Text Templates
Norming
PDF Reports
Quality Guidelines
Sphinx-Report
Report for comparison
Data export configuration
Filter settings
Validation
Required questions
Cross tabulations
Free indicators
Languages
Questionnaire
Edit Form
Delete
Export
Usag

Details for questionnaire train_en

train_en (Course Evaluation Questionnaire)

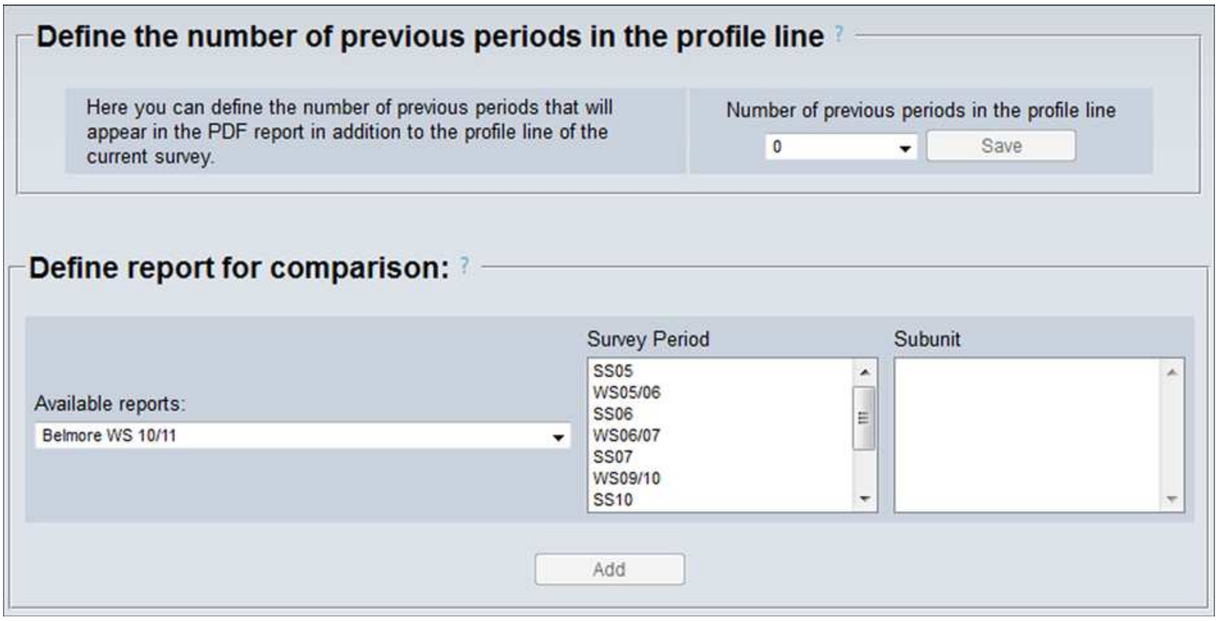
✓ VividForms Editor — Copy and open the questionnaire in the VividForms Designer.
✓ PDF Sample (Show) — ✓ PDF paper survey (Show)
✓ In the recognition set of the VividForms Reader (Refresh) — Preview online survey

Reporting Options
☐ Mirrored scale values
☑ Allow Summary Reports

Online Design
☑ Show the header of the survey
☐ Enable temporary save
☐ Show print option

Figure 410: Profile Line Comparison: Selecting the option “Report for Comparison”

The following window opens automatically, in which you can define the number of previous periods for the comparison lines:


Define the number of previous periods in the profile line
Number of previous periods in the profile line
Save
Define report for comparison:
Survey Period
Subunit
Add

Here you can define the number of previous periods that will appear in the PDF report in addition to the profile line of the current survey.

Number of previous periods in the profile line: 0

Available reports: Belmore WS 10/11

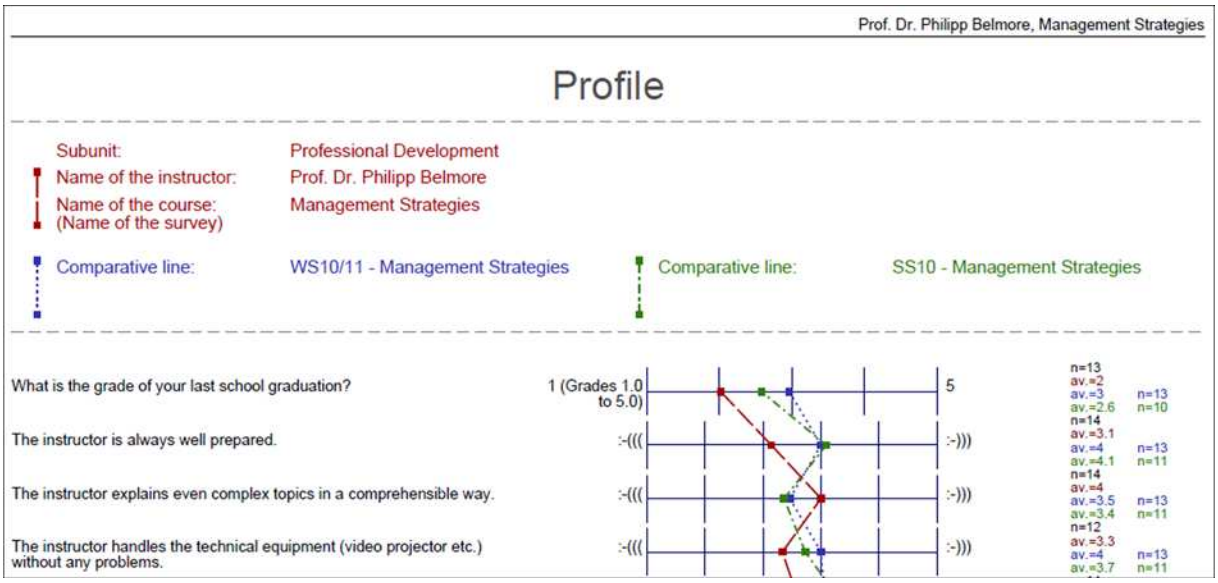
Survey Period: SS05, WS05/06, SS06, WS06/07, SS07, WS09/10, SS10

Figure 411: Profile Line Comparison: Defining Previous Periods and Comparison Reports

In the first part, you define how many previous periods are to be considered in the profile line. Here you can choose between none and five previous periods. If, for example you wish to include three previous periods for comparison, enter the number three here.

In every PDF report for surveys, which were created using this questionnaire (here: train_en), as well as the current profile line of the survey, you also can see the comparison profile lines of the previous three periods. This is however only valid under the premise that data for these three periods is available in EvaSys. Then this is valid not only for standard report but also the user defined PDF report.

In the following graphic, the course “Management Strategies” of Prof. Philip Belmore, from summer term 2011 was compared with the results of the two previous periods (WS10/11, SS10).



Prof. Dr. Philipp Belmore, Management Strategies

Profile

Subunit: Professional Development
Name of the instructor: Prof. Dr. Philipp Belmore
Name of the course: (Name of the survey) Management Strategies

Comparative line: WS10/11 - Management Strategies
Comparative line: SS10 - Management Strategies

What is the grade of your last school graduation? 1 (Grades 1.0 to 5.0) – 5
n=13 av.=2
av.=3 n=13
av.=2.6 n=10

The instructor is always well prepared. :-(((– :-)))
n=14 av.=3.1
av.=4 n=13
av.=4.1 n=11

The instructor explains even complex topics in a comprehensible way. :-(((– :-)))
n=14 av.=4
av.=3.5 n=13
av.=3.4 n=11

The instructor handles the technical equipment (video projector etc.) without any problems. :-(((– :-)))
n=12 av.=3.3
av.=4 n=13
av.=3.7 n=11

Figure 412: Profile Line Comparison: Example of a Profile Line Comparison with two Previous Periods

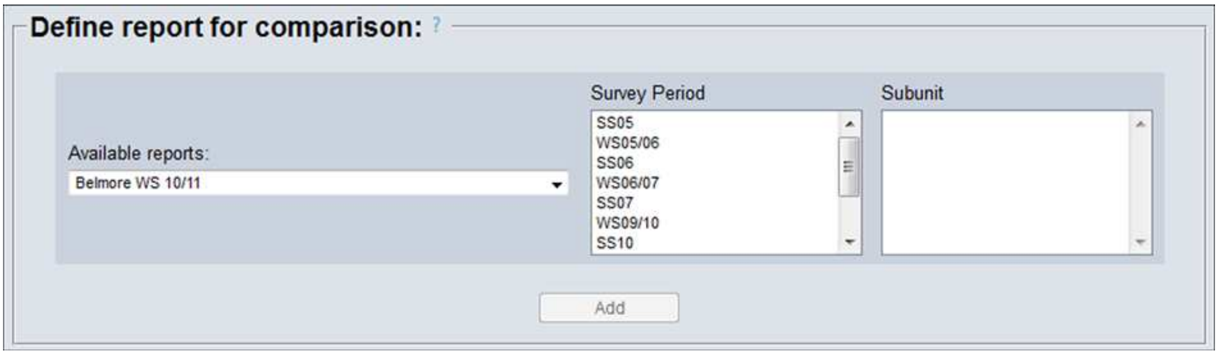
Please note, that you define these settings per questionnaire as an administrator as well as a subunit administrator.

Profile Line Comparison in the PDF Report – Add Report for Comparison

As well as defining previous periods for the profile line comparison, you can also define comparative reports.

> **Note:**
> As the profile line comparison is in the details of a questionnaire, and as such, defined for a particular questionnaire, you must login as a(n) (subunit)administrator. Please note, that reports used for comparison have to be created in the report creator in advance.

Again, in the questionnaire details, select in the area “Advanced Settings” the option “Report for comparison” and click on [Edit]. In the following window, under “Define report for comparison”, you can define which report should be used for the comparison.



Define report for comparison:

Available reports: Belmore WS 10/11

Figure 413: Profile Line Comparison: Define Report for Comparison in the Details of a Questionnaire (Administrator)

Under “Available reports” you will find all reports which

- are based on the current questionnaire
- you have already created in the Report Creator window.

Let us assume, for example, you have created period reports of your individual subunits as report creator, for example, “Prof. Development WS10/11“. In addition, you have perhaps created instructor reports, like “Belmore WS10/11” or “Hernandez WS10/11“. These reports created in the report creator can be defined here as comparative reports for special periods and subunits.

In the following example the comparative report “Prof. Development WS10/11” was selected. This subunit report, which was created by a report creator, contains all survey results of the winter term 2010-11 for the subunit Engineering.

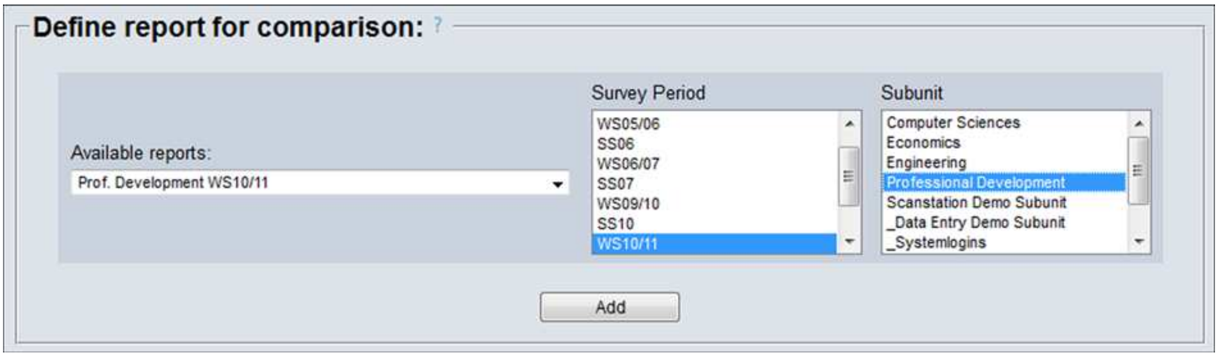
Once you have selected the comparative report, define in the area “Survey Period”, which period it should be used for. You can only mark one single period!

If, for example, you define here the period WS10/11, in all PDF reports of the surveys which were created with this questionnaire in WS10/11, the profile line will be supplemented: they contain additionally the profile line of the subunit report “Prof. Development WS10/11“.

Additionally, you define for which subunits the comparative report should be used for. As opposed to the survey period, whereby only one period can be selected, in the area of “Subunits” you can define several subunits. To do this, press and hold down the [Crtl] button and click on the desired subunits.

Note:
Please note, that a subunit administrator only has access to his subunit. You can allocate subunits to a subunit administrator in his user profile.

In the following screenshot you can see that the comparative report “Prof. Development WS10/11” was selected. This comparative report is to be used for all surveys in WS10/11 for the subunit “Prof. Development”, both of which were created with the train_en questionnaire.



Define report for comparison:

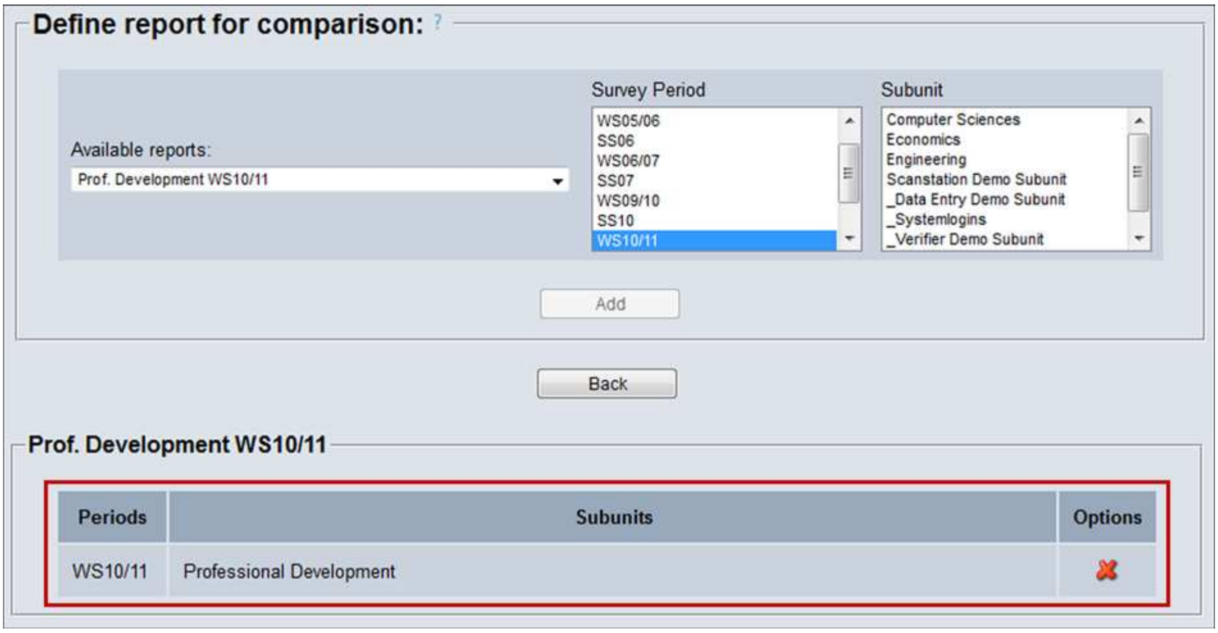
Available reports: Prof. Development WS10/11

Survey Period: WS10/11

Subunit: Professional Development

Figure 414: Profile Line Comparison: Definition of the Report for Comparison, the Survey Period and the Subunit

Save your input by clicking the [Add] button. As you can see in the following graphic, your settings are automatically added.


Define report for comparison: ?
Survey Period
WS05/06
SS06
WS06/07
SS07
WS09/10
SS10
WS10/11
Subunit
Computer Sciences
Economics
Engineering
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins
_Verifier Demo Subunit
Add
Back

Available reports: Prof. Development WS10/11

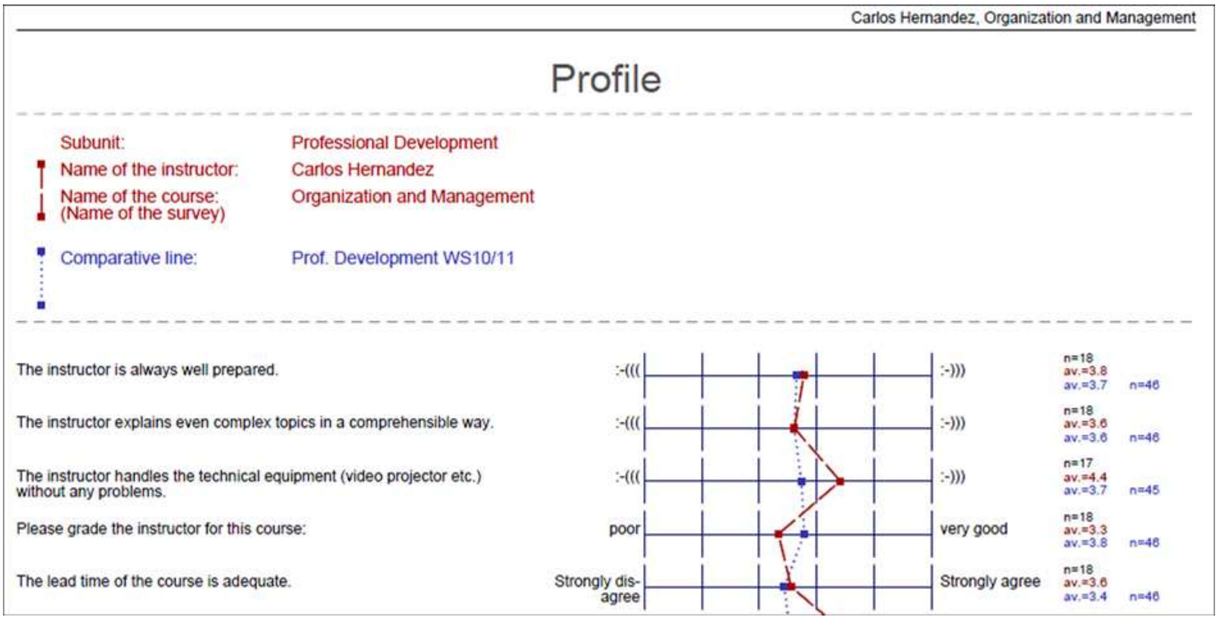
Prof. Development WS10/11

Periods	Subunits	Options
WS10/11	Professional Development	✗

Figure 415: Profile Line Comparison: Report for Comparison was created successfully

If you now access the PDF report for surveys of the subunit “Prof. Development” created in the period WS10/11 with the questionnaire “train_en”, as well as the profile line of this survey you will also receive the comparison profile line of the subunit report “Prof. Development WS10/11”.

In the following graphic, the profile line of the survey results of the course “Organization and Management” from Prof. Carlos Hernandez in the subunit “Prof. Development” in WS10/11 is displayed with the profile lines of the comparative report (Prof. Development WS10/11) defined above.



Carlos Hernandez, Organization and Management

Profile

Subunit: Professional Development
Name of the instructor: Carlos Hernandez
Name of the course: (Name of the survey) Organization and Management

Comparative line: Prof. Development WS10/11

The instructor is always well prepared.	:-(((	:-)))	n=18 av.=3.8 av.=3.7	n=46
The instructor explains even complex topics in a comprehensible way.	:-(((	:-)))	n=18 av.=3.6 av.=3.6	n=46
The instructor handles the technical equipment (video projector etc.) without any problems.	:-(((	:-)))	n=17 av.=4.4 av.=3.7	n=45
Please grade the instructor for this course:	poor	very good	n=18 av.=3.3 av.=3.8	n=46
The lead time of the course is adequate.	Strongly dis-agree	Strongly agree	n=18 av.=3.6 av.=3.4	n=46

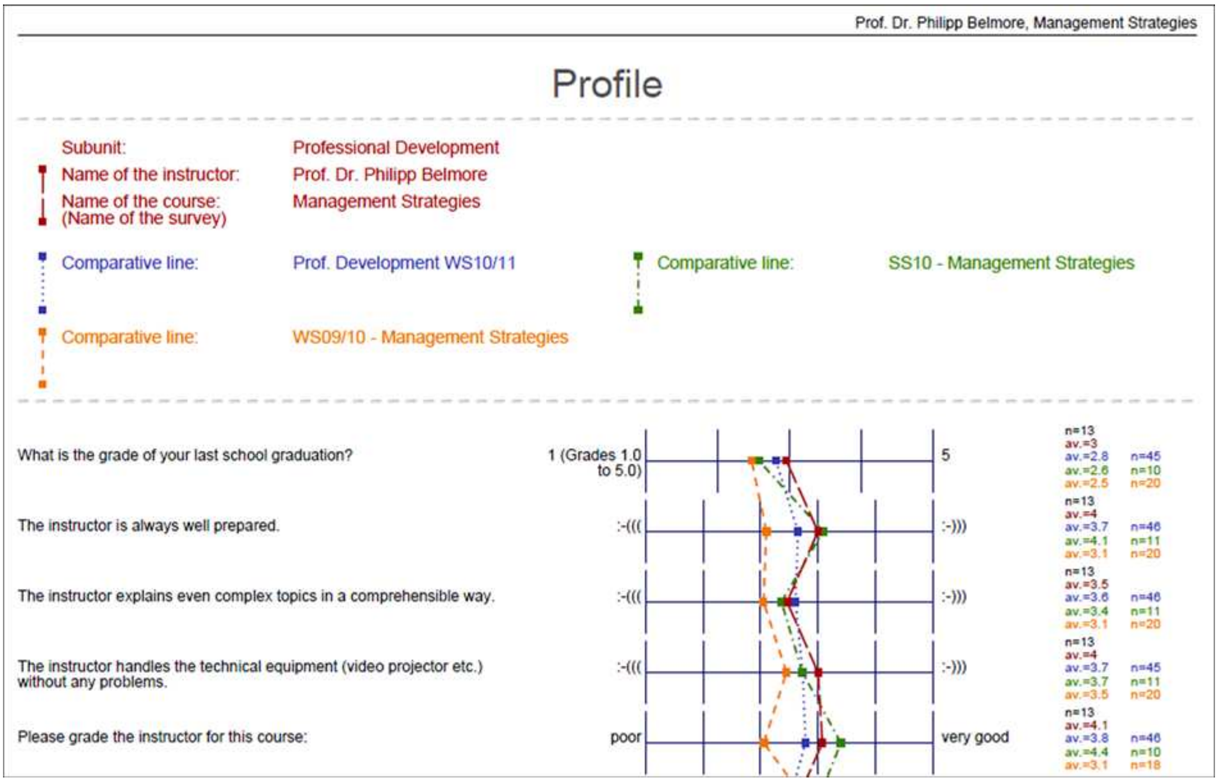
Figure 416: Profile Line Comparison: PDF Report with the Profile Line of the Report for Comparison

Note:
In the questionnaire details, you can define as many comparative reports as you may require. In doing so, please note that you can only define one comparative report per survey period and subunit.

This means, that you cannot define any more comparative reports for the subunit “Prof. Development” in WS10/11, if you already have defined a comparative report for this subunit in WS10/11.

If you combine the settings defined above, thereby defining both the two previous periods as well as the comparative report “Prof. Development WS10/11” for the comparison lines, your PDF reports will additionally contain these three comparison lines.

In the following graphic, you can see the profile lines for the survey results of the course “Data Analysis” in SS07 in the subunit “Engineering” together with the four comparison profile lines defined:



Prof. Dr. Philipp Belmore, Management Strategies

Profile

Subunit: Professional Development
Name of the instructor: Prof. Dr. Philipp Belmore
Name of the course: (Name of the survey) Management Strategies

Comparative line: Prof. Development WS10/11
Comparative line: SS10 - Management Strategies
Comparative line: WS09/10 - Management Strategies

Figure 417: Profile Line Comparison: Combination of the Various Profile Lines

In conclusion, it can be held, that as an/a (subunit) administrator, you can define comparative profile lines for a particular questionnaire, in the details of a questionnaire via the option “Report for comparison” in the area “Advanced Settings”. You can there

- define the number of previous periods to be included in the comparison, and
- select a comparative report which has already been created by the report creator.

5.3. Data Export to Excel/SPSS/Sphinx

5.3.1. Possible Data Export Formats in EvaSys

For further reports and evaluation you can export the collected data to three different formats. The export function can be used for all of the surveys and reports. In the following you can see a description of the different formats:

CSV Format

CSV stands for “Comma Separated Values” and provides a free text format that is able to be read by all statistical tools as exchange format. One line of a CSV file is equivalent to the content of one questionnaire. The values are separated by a separator. You can define this separator at “EvaSys Settings/Data Import and Export“; the default setting is a semicolon. The values are also enclosed in inverted commas. One data row contains:

“[Sheet-ID]”;“[Variable 1]”; ... ;“[Variable n]”;“[Timestamp]”

Data from surveys whose questionnaires were created in batch printing with serial numbering additionally receive the batch print ID.

SPSS Format

SPSS is a common tool for statistical analysis and solutions.

Exporting from EvaSys creates a SAV file, which contains the format of the sheet and all the raw data of the survey/report.

Sphinx Format

Sphinx is a professional statistics solution from France, for which EvaSys has an interface. After the download you will receive a ZIP file which contains a directory as well as three single files:

[SURVEYNAME].QUE	(Sphinx questionnaire)
[SURVEYNAME].OUV	(responses to open questions)
[SURVEYNAME].REP	(responses to closed questions)
[SURVEYNAME].HYP	(Report template, if available)
[SURVEYNAME].BAT	(Link to direct display of the Sphinx evaluation report, if report template is available)

In order to use these files you will need to install Sphinx Survey V4.5 or higher on your PC. Double-click on [SURVEYNAME].OUV file in order to start the operation. You can learn more about using Sphinx with EvaSys in the relevant chapter.

Export of Online Surveys

For online surveys the export data includes a time stamp showing the completion time of every record.

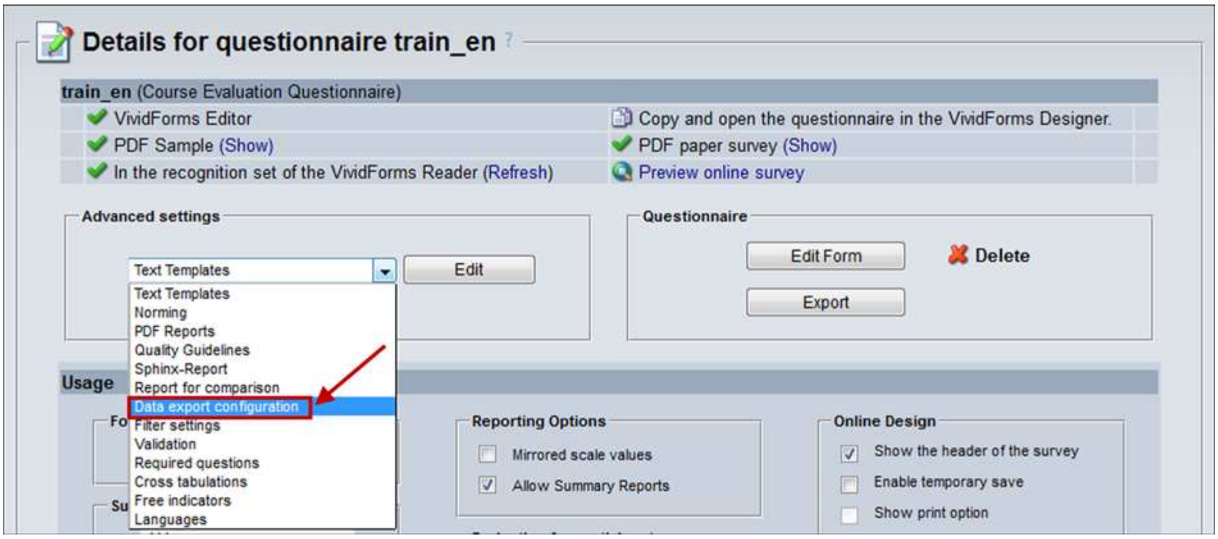
5.4. Definition of the Export Values and Names for Variables

In export, EvaSys assigns the names of the variables (=questions) automatically. In CSV-export this is unproblematic, because the question text is adopted. With export to Sphinx or SPSS however, no meaningful variable name appears, but an alpha/numerical combination, for example V2_A for the first variable(as question) in the second question group.

You can specify new names for all variables. These are then displayed in the CSV file (thus in Excel), as well as in Sphinx and SPSS, instead of the automatically assigned names

This function is intended to support you in the evaluation with statistic tools.

To rename the variables, go to the details of a questionnaire and in the area “Advanced Settings” select the option “Data export configuration”. Click on [Edit]:

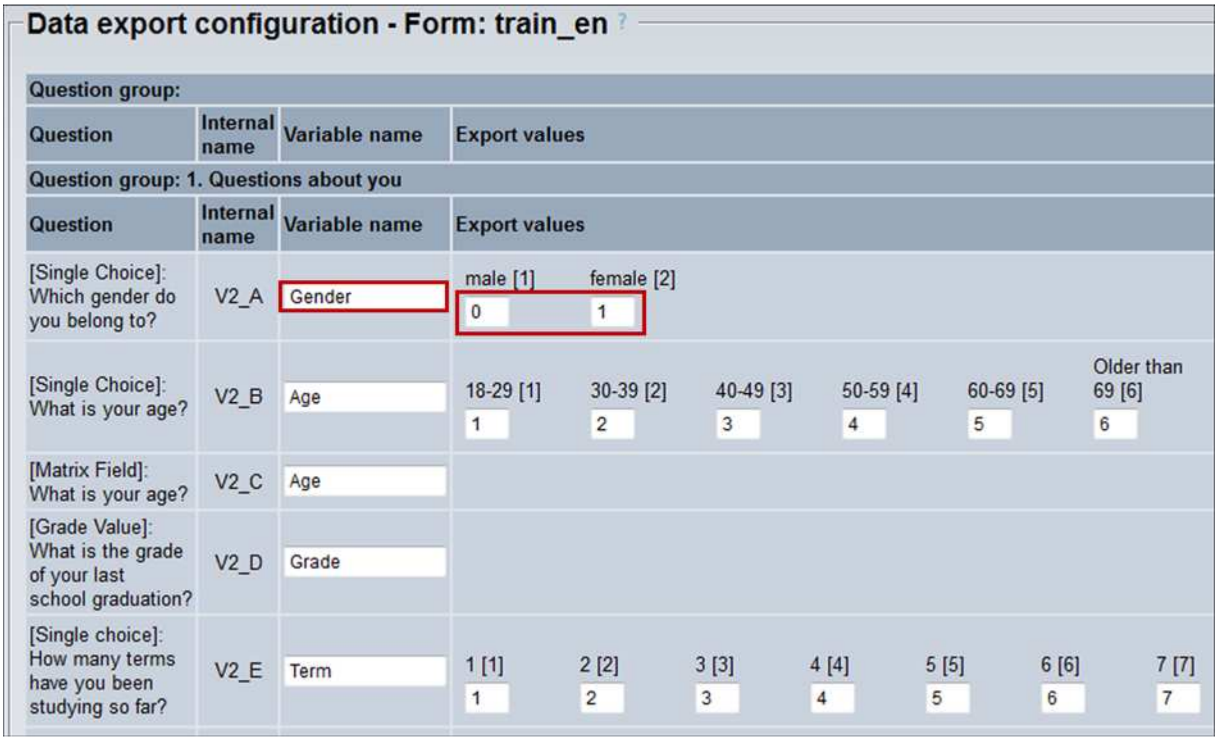


Details for questionnaire train_en
train_en (Course Evaluation Questionnaire)
VividForms Editor
PDF Sample (Show)
In the recognition set of the VividForms Reader (Refresh)
Copy and open the questionnaire in the VividForms Designer.
PDF paper survey (Show)
Preview online survey
Advanced settings
Text Templates
Edit
Text Templates
Norming
PDF Reports
Quality Guidelines
Sphinx-Report
Report for comparison
Data export configuration
Filter settings
Validation
Required questions
Cross tabulations
Free indicators
Languages
Questionnaire
Edit Form
Delete
Export
Usage
Reporting Options
☐ Mirrored scale values
☑ Allow Summary Reports
Online Design
☑ Show the header of the survey
☐ Enable temporary save
☐ Show print option

Figure 418: Data Export Configuration in the Details of a Questionnaire

Note:
The allocation of names for variables must be carried out for each questionnaire.

In the window which opens afterwards you have the possibility of defining the names of the different variables:



Data export configuration - Form: train_en

Question	Internal name	Variable name	Export values						
Question group: 1. Questions about you									
[Single Choice]: Which gender do you belong to?	V2_A	Gender	male [1] 0	female [2] 1					
[Single Choice]: What is your age?	V2_B	Age	18-29 [1] 1	30-39 [2] 2	40-49 [3] 3	50-59 [4] 4	60-69 [5] 5	Older than 69 [6] 6	
[Matrix Field]: What is your age?	V2_C	Age							
[Grade Value]: What is the grade of your last school graduation?	V2_D	Grade							
[Single choice]: How many terms have you been studying so far?	V2_E	Term	1 [1] 1	2 [2] 2	3 [3] 3	4 [4] 4	5 [5] 5	6 [6] 6	7 [7] 7

Figure 419: Define Data Export Configuration

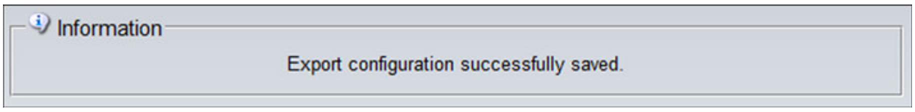
The first column shows you the types of questions and the question text, the second displays the internal description of the variable. In the third column, you can rename the variable. Please observe the following rules when renaming:

The name

- must begin with a letter (reason: variables in SPSS must begin with a letter).
- may only consist of letters, numbers and the underscore. This means, that other (special) characters also the space bar, are not allowed. Capital and small letters are, however, not important.
- may be a maximum of 32 characters long (Please note: In SPSS the variable names will be truncated to 8 characters).
- must contain at least one character. The field therefore, cannot be empty!

In the fourth column the export values are displayed, to which you can allocate new numerical values. Please note, that you can only use numerical values for the export value, no alphabetical characters.

After completing your changes, click at the end of the dialogue on [Save]. EvaSys informs you whether the saving of your changes was successful:



Information

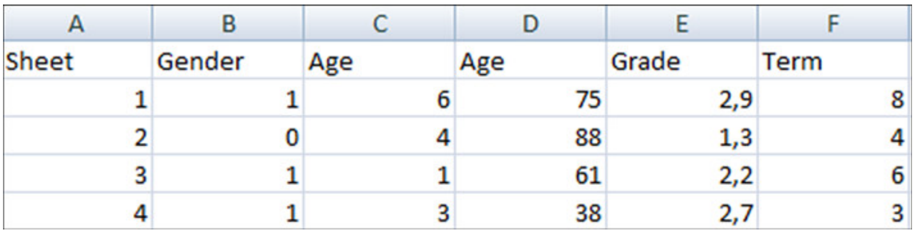
Export configuration successfully saved.

Figure 420: Data Export Configuration successfully saved

(Should the variables not comply with the above mentioned rules, an error message will appear).

After your changes have been successfully adopted, click at the end of the window on [Close] to exit the export configuration.

The example questionnaire just processed (Sampl1) shows, for example, in the raw data export via CSV, the following result (SPSS and Sphinx are also possible).



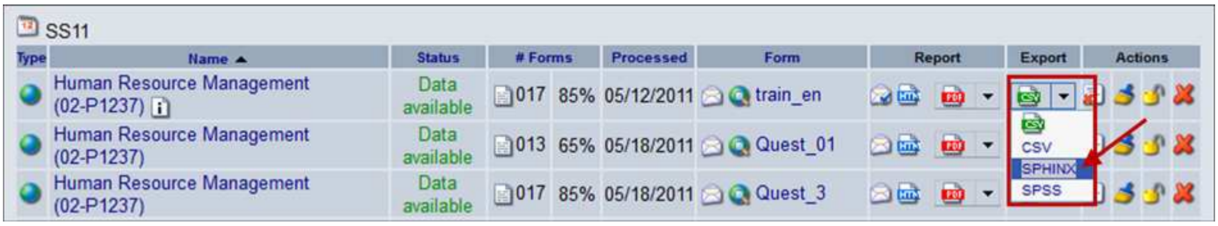
A	B	C	D	E	F
Sheet	Gender	Age	Age	Grade	Term
1	1	6	75	2,9	8
2	0	4	88	1,3	4
3	1	1	61	2,2	6
4	1	3	38	2,7	3

Figure 421: CSV Export of the Raw Data with Changed Names of Variables and Export Values

The variables changed by you and the export values are displayed. In the third column, for example, instead of the usual variable description “V2_B“, the newly defined variable name “Age” is displayed. Also, the newly defined export values “0-1” in the area “V2_A” are displayed here instead of the usual export values “1-2”.

5.5. The EvaSys Report Module Sphinx Plus²

The statistics solution Sphinx Plus2 is available as an expansion for EvaSys. When this export interface is enabled (you can see this in the license administration) you can create all surveys, summaries, filtering and archiving.



SS11

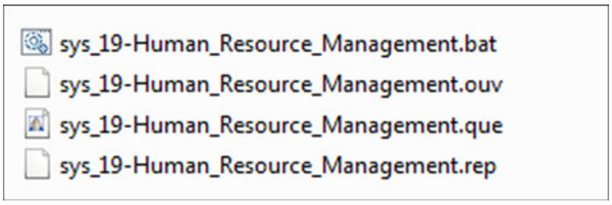
Type	Name ▲	Status	# Forms	Processed		Form	Report	Export	Actions
	Human Resource Management (02-P1237)	Data available	017	85%	05/12/2011	train_en		CSV	
	Human Resource Management (02-P1237)	Data available	013	65%	05/18/2011	Quest_01			
	Human Resource Management (02-P1237)	Data available	017	85%	05/18/2011	Quest_3			

CSV
SPHINX
SPSS

Figure 422: Export to Sphinx

Just click on the text “SPHINX” in the drop-down menu in the column “Export”. In a few moments a download window will appear. Save the ZIP file to a folder on your local hard drive. The data are transmitted as ZIP file because three separate files have to be transmitted.

Extract the ZIP file. You will get a sub-folder in which there are the three files.



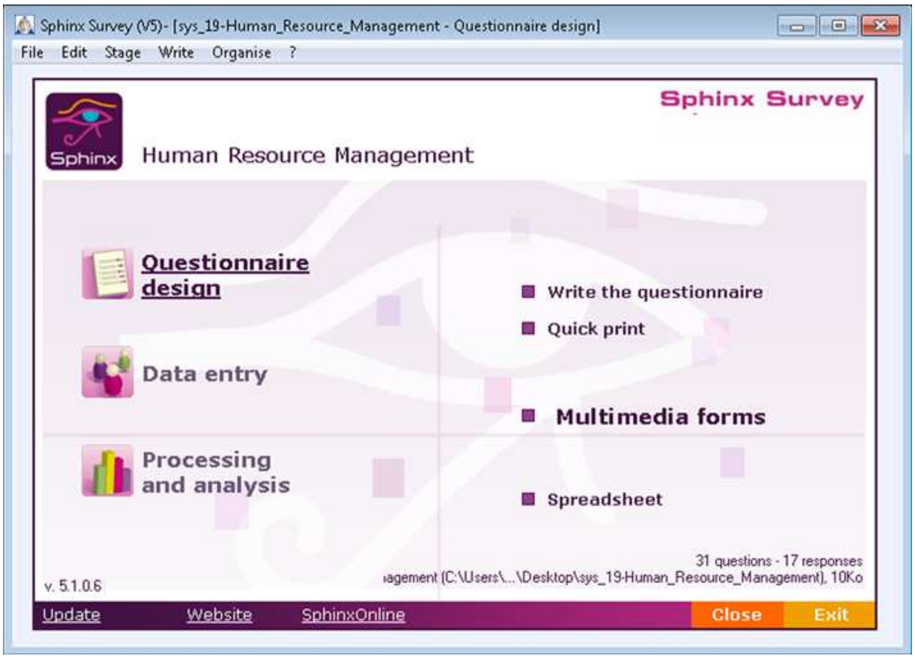
sys_19-Human_Resource_Management.bat
sys_19-Human_Resource_Management.ouv
sys_19-Human_Resource_Management.que
sys_19-Human_Resource_Management.rep

Figure 423: Files of the Sphinx Export

Open the QUE files with a double-click. Sphinx Plus2 will start automatically and open this survey.

Since in addition to the raw data the contents of the whole questionnaire are transferred, you can immediately begin analyzing the results.

The following figure shows you the welcome page of Sphinx.



Sphinx Survey (V5)- [sys_19-Human_Resource_Management - Questionnaire design]

Human Resource Management

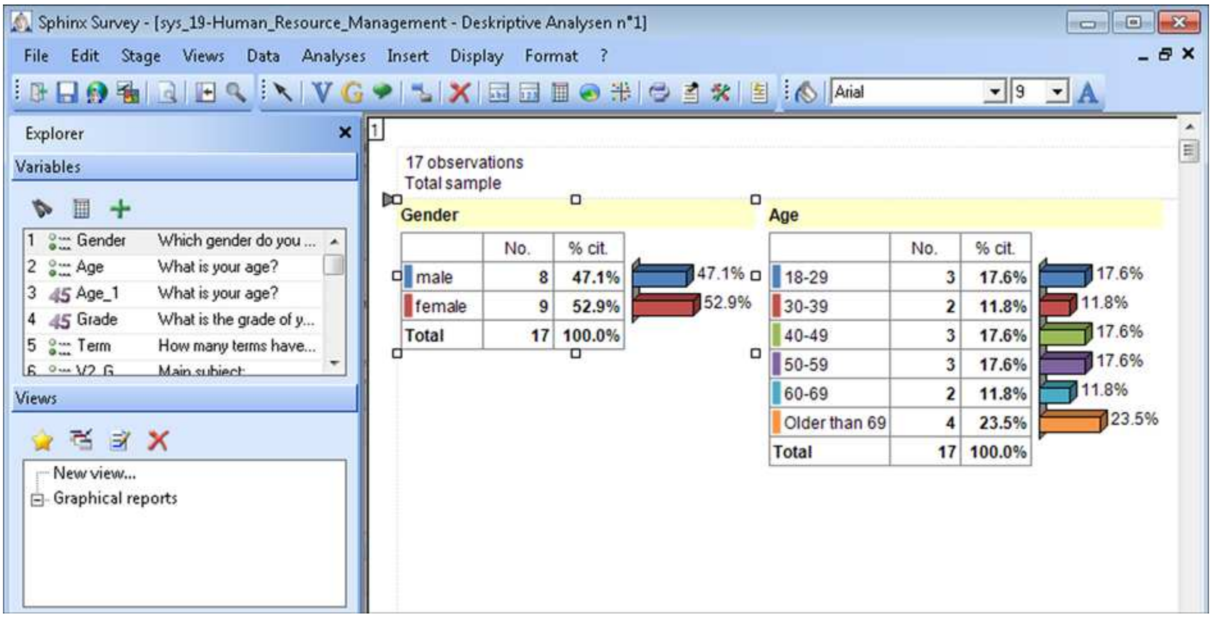
31 questions - 17 responses
agement (C:\Users\...\Desktop\sys_19-Human_Resource_Management), 10Ko

v. 5.1.0.6

File
Edit
Stage
Write
Organise
?
Sphinx Survey
Sphinx
Questionnaire design
Data entry
Processing and analysis
Write the questionnaire
Quick print
Multimedia forms
Spreadsheet
Update
Website
SphinxOnline
Close
Exit

Figure 424: Sphinx

The functionality of this statistics solution allows you to conduct a thorough statistical analysis within a short period of time. The graphic report creation makes use of the drag and drop principle.


Sphinx Survey - [sys_19-Human_Resource_Management - Deskriptive Analysen n°1]
File
Edit
Stage
Views
Data
Analyses
Insert
Display
Format
?
Arial
9
Explorer
Variables
Views
New view...
Graphical reports
1

1	Gender	Which gender do you ...
2	Age	What is your age?
3	Age_1	What is your age?
4	Grade	What is the grade of y...
5	Term	How many terms have...
6	V2_G	Main subject

17 observations
Total sample

Gender

	No.	% cit.
male	8	47.1%
female	9	52.9%
Total	17	100.0%

Age

	No.	% cit.
18-29	3	17.6%
30-39	2	11.8%
40-49	3	17.6%
50-59	3	17.6%
60-69	2	11.8%
Older than 69	4	23.5%
Total	17	100.0%

Figure 425: Diagrams in Sphinx

6. Phase 5: Quality Management

6.1. Norms

In EvaSys, you can add norm values for questionnaires. Thus, you can more easily compare and interpret results from surveys which are based on this questionnaire.

If norms have been defined for the corresponding questionnaire and if they have been activated in the PDF report settings (menu “System Settings/Report Settings/Configuration/Show norm values”), an overview over the values of the indicators with the corresponding norm values and a normed profile line is displayed in the section “Overall indicators” at the beginning of the report.

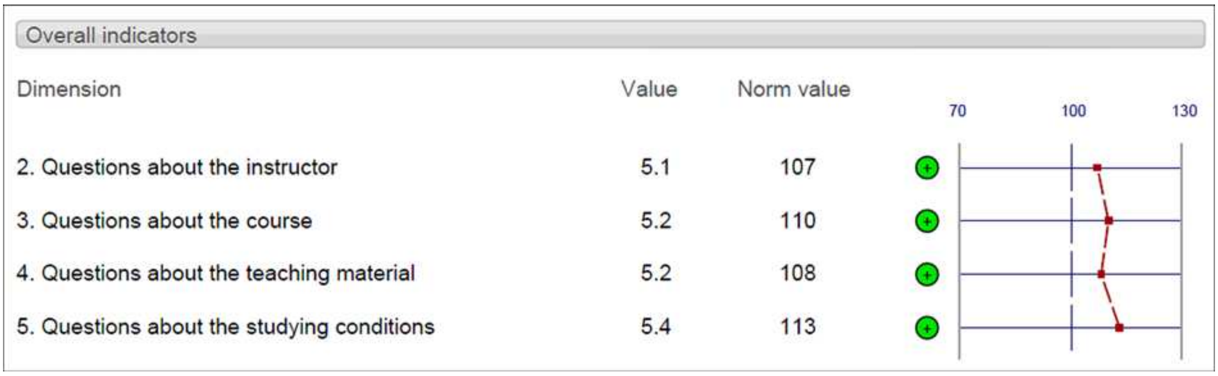
Interpretation is made easier with colored icons that signal if a result is to be interpreted as good or bad:

+ Positive result

0 Neutral result

- Slightly critical result

-- Critical result



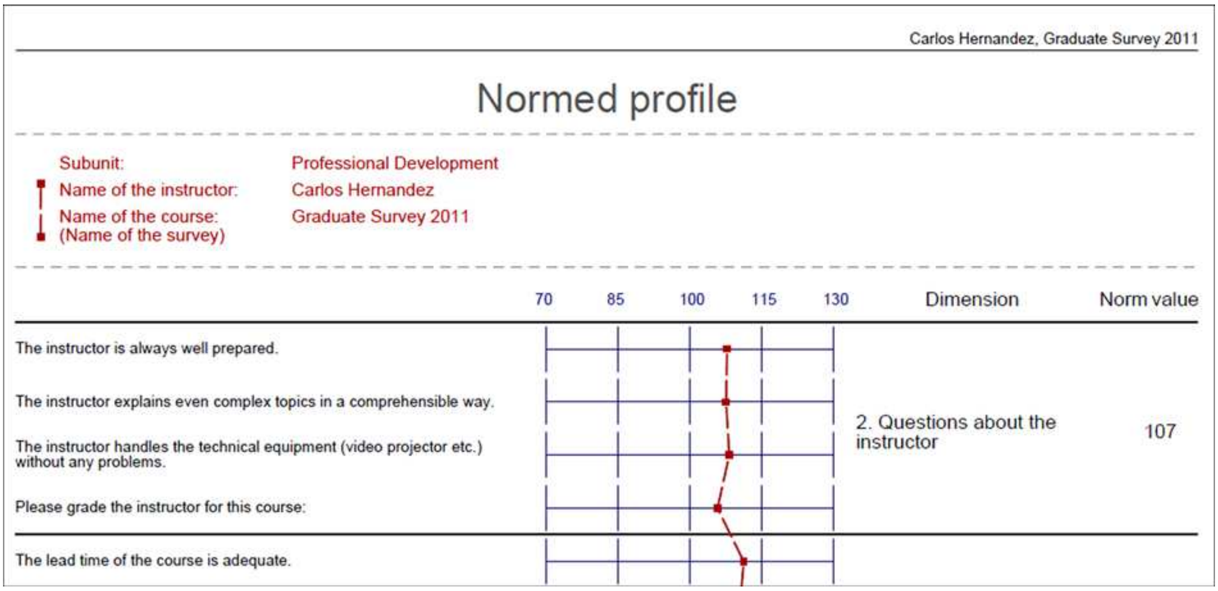
Overall indicators

Dimension	Value	Norm value
2. Questions about the instructor	5.1	107
3. Questions about the course	5.2	110
4. Questions about the teaching material	5.2	108
5. Questions about the studying conditions	5.4	113

Figure 426: Normed Profile Line for Indicators

In addition, a detailed profile line can be activated in the PDF report which shows the norm values for all questions of the questionnaire (“System Settings/Report Settings/ Configuration/Show normed profile line”). This is displayed in the PDF report after the analysis of the individual questions.

As norm basis you can use averaged data from surveys you conducted in the past with the same questionnaire. You can add these norm data (mean values and standard deviations) for the individual questions of the questionnaire manually or you can have them converted automatically from a summary report that was created by a report creator. This can be e.g. a summary report for a subunit, or similar.



Carlos Hernandez, Graduate Survey 2011

Normed profile

Subunit:	Professional Development
Name of the instructor:	Carlos Hernandez
Name of the course: (Name of the survey)	Graduate Survey 2011

	Dimension	Norm value
The instructor is always well prepared.	2. Questions about the instructor	107
The instructor explains even complex topics in a comprehensible way.		
The instructor handles the technical equipment (video projector etc.) without any problems.		
Please grade the instructor for this course:		
The lead time of the course is adequate.		

Figure 427: Normed Profile Line for each Scaled Question of a Questionnaire

In addition to norming survey results, individual message texts for below average, average and above average results can be added to the results. These texts can be accessed by instructors via a link in the PDF report. Text building blocks are used to create individual message texts based on the results achieved in a given evaluation.

The norm profile lines and message text functionality were developed in collaboration with Dr. Heiner Rindermann from the University of Magdeburg.

6.1.1. Calculation of Norms

The norming in EvaSys was developed in cooperation with Dr. Heiner Rindermann from Magdeburg University and consists of a modified form of the Z-transformation.

The formula for cases where large (above average) values are better is:

$$\text{Normed value} = \left(\frac{\text{mean - norm basis mean}}{\text{standard deviation}} * 10 \right) + 100$$

Figure 428: Formula for Norming when Higher Values Are Better

When lower (below average) values are better the formula is as follows:

$$\text{Normed value} = 100 - \left(\frac{\text{mean - norm basis mean}}{\text{norm basis standard deviation}} * 10 \right)$$

Figure 429: Formula for Norming when Lower Values Are Better

Example Calculation when Higher Values Are Better:

Suppose the indicator – i.e. the overall mean – of a question group in a questionnaire is 5.9 and the corresponding value of the indicator for the norm basis is 5.388. Further, suppose the standard deviation of the norm basis is 0.9344. The norm value is then given by the following calculation:

$$\text{Normed value} = \left(\frac{5.9 - 5.388}{0.9344} * 10 \right) + 100$$

$$\text{Normed value} = 105.5$$

Figure 430: Example Calculation

Note:

If the setting “Mode of calculation for norming” is set on “2” in the configuration of the PDF report, the indicator calculated for the norming can differ marginally from the standard indicator. In this case, the mean value is calculated by averaging the mean values that have been computed for the individual questions. For this procedure it is necessary that a minimum number of items/questions were answered in the dataset.

The norm values can be interpreted according to the following table. For example, a value of 105.5 can be considered as “slightly above average” (compare line 6):

Norm value (Z)	Percent rank	Distribution	Description
<70	0-0,12	ca. 0,1%	far below average
70-84,9	0,13-6,67	ca. 6,6%	below average
85-94,9	6,68-30,84	ca. 24,2%	slightly below average
95-105	30,85-69,15	ca. 38,3%	average
Therin: 100	50	average value	average value
105,1-115	69,16-93,32	ca. 24,2%	slightly above average
115,1-130	93,33-99,87	ca. 6,6%	above average
130<	99,88-100	ca. 0,1%	far above average

Table 18: Classification of Norms (Mean = 100, Standard Deviation = 10)

6.1.2. Definition of Norm Values for Questionnaires

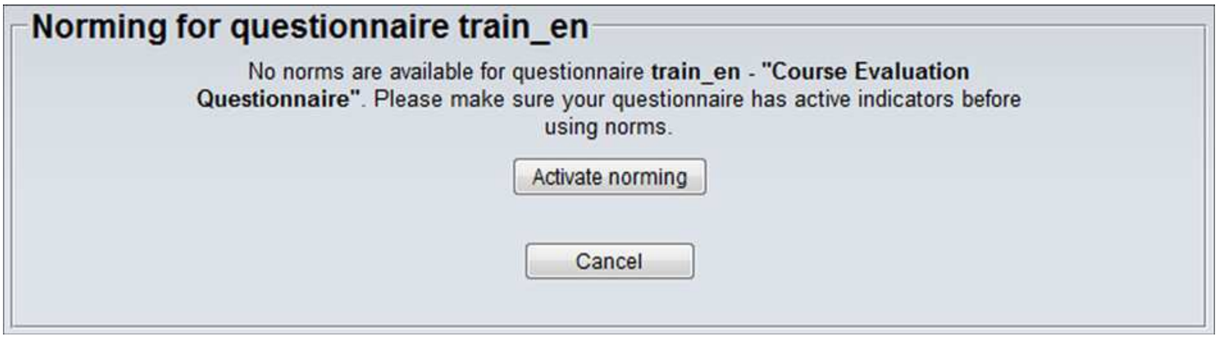
In order to use the functionality of norm profile lines, the option (System Settings/ Report Settings/Configuration/Show norm values) must be activated.

In the following figure you see the settings for norming a questionnaire.

The option “System Settings/Report Settings/Configuration/Show recommendation text” gives instructors the possibility to generate a recommendation document through a link in the PDF report.

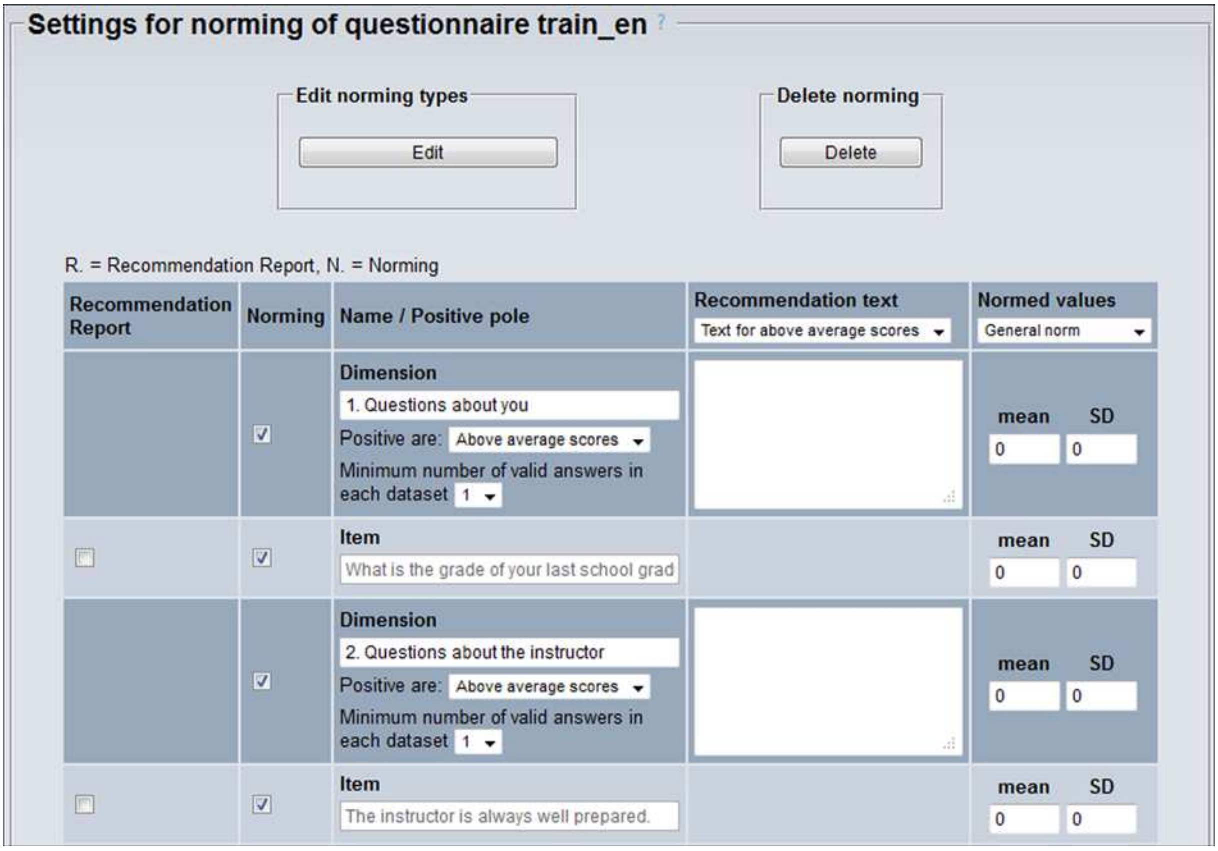
In the details of a questionnaire you can choose in the drop-down-menu in the area “Advanced Settings” the option “Norming”. After marking the option “Norming” click on the button [Edit].

A sub window appears in which the norm value can be entered. If there is not yet a norming for the questionnaire then a message will display with the button [Add Norming].


Norming for questionnaire train_en

No norms are available for questionnaire **train_en** - **"Course Evaluation Questionnaire"**. Please make sure your questionnaire has active indicators before using norms.

Figure 431: Activate Norming



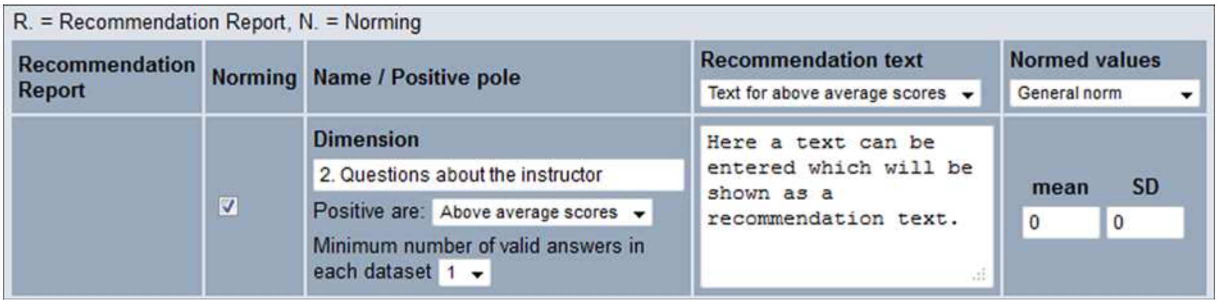
Settings for norming of questionnaire train_en

R. = Recommendation Report, N. = Norming

Recommendation Report	Norming	Name / Positive pole	Recommendation text: Text for above average scores	Normed values: General norm
	☑	Dimension 1. Questions about you Positive are: Above average scores Minimum number of valid answers in each dataset 1		mean 0 SD 0
☐	☑	Item What is the grade of your last school grad		mean 0 SD 0
	☑	Dimension 2. Questions about the instructor Positive are: Above average scores Minimum number of valid answers in each dataset 1		mean 0 SD 0
☐	☑	Item The instructor is always well prepared.		mean 0 SD 0

Figure 432: Norming: Details

In the table displayed you can now set for all the dimensions (indicators) as well as items (only scaled items are permissible) norm values and analysis rules.



R. = Recommendation Report, N. = Norming

Recommendation Report	Norming	Name / Positive pole	Recommendation text: Text for above average scores	Normed values: General norm
	☑	Dimension 2. Questions about the instructor Positive are: Above average scores Minimum number of valid answers in each dataset 1	Here a text can be entered which will be shown as a recommendation text.	mean 0 SD 0

Figure 433: Norming: Edit

Whether results are to be seen as positive must be set for each dimension, e.g. for methodology and structure, above average; for redundancy, average; for anomie (lack of discipline) below average.

At the right-hand side of the screen you will see the average as well as the standard deviation of the comparative group. This is repeated for the complete contents of the questionnaire.

In the column “recommendation text” three text building blocks can be placed, which should be displayed depending on whether the results are above average, average or below average.

At the left using checkboxes you determine whether in addition to the dimensions there should also be text building blocks for individual items.

Example: Atmosphere Dimension

Above average score:

Congratulation! Your course is considered by your students/participants to have an above average positive atmosphere (friendly manner with students/participants, cooperative, instructor is open). Particularly in courses with interactive teaching is this an important aspect.

Average score:

Average score results in teaching are not bad, since most courses have been give evaluated as good. (on a raw value scale between 1 and 7 at 5). So this is at least a satisfactory score! How could you continue to improve the atmosphere as judged by students/participants (friendly manner with students/participants, cooperative and instructor is open)? Particularly in courses with interactive teaching is this an important aspect […]

Below average score:

Comparative norms always place 49.99% of the values under the average and 49.99% above. But for norm values below 85 you should definitely take action. It is important not to be discouraged or to make those circumstances you can't change responsible. The best attitude would be to use this score as an impulse to continue to improve your teaching!

How can you continue to improve the atmosphere as judged by students/participants (friendly manner with students/participants, cooperativeness and instructor is open)? Particularly in courses with interactive teaching is this an important aspect […]

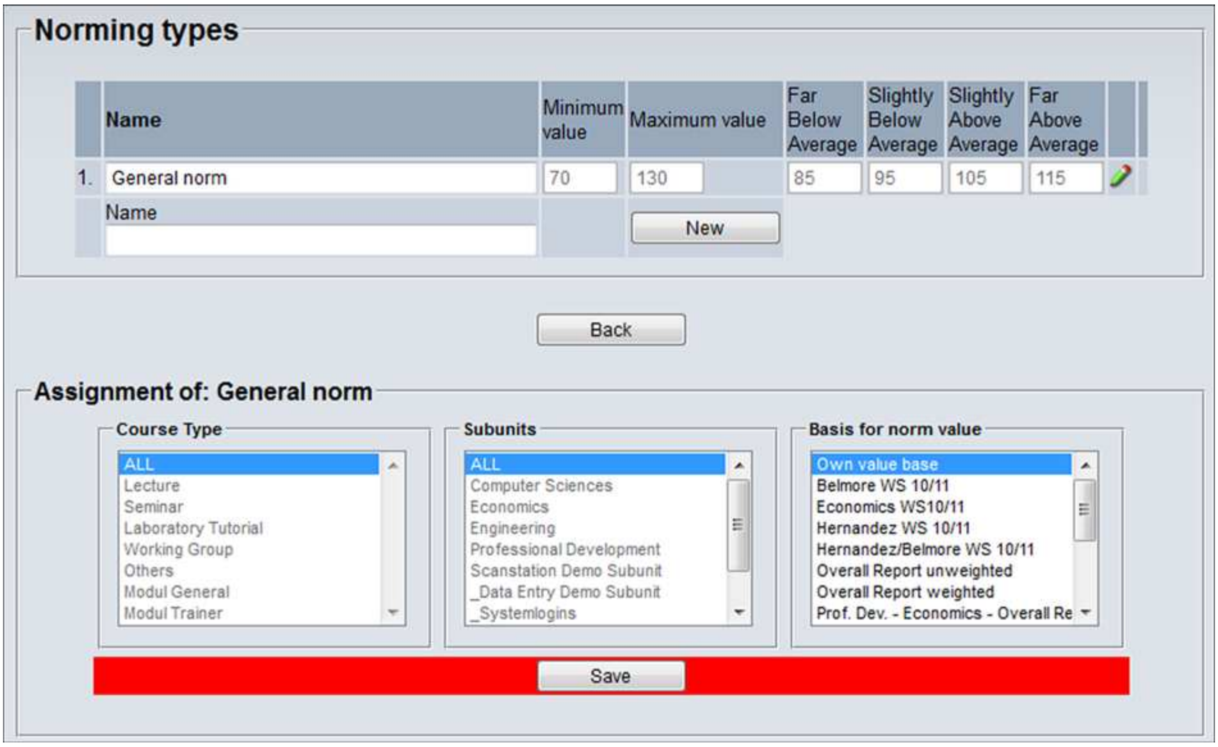
As an alternative to manual entry of norm values you can also make use of existing evaluations that you have already created with the user type report creator.

In the section “Edit norming types” click on the button [Edit].

In the upper part of the screen you will see a list of the available norm types, which cannot be deleted. This total norm is generally valid unless you create a special sub-norm.

You can now give the total norm a norm value basis by selecting one of the reports shown in the list in the area “Assignment of the norm type total norm”. It is not possible to limit the total norm to courses or subunits.

In order to create sub-norms, enter the name of the sub-norm in the list “norm types” and click on [New]. The assignment area for the new sub-norm now appears. You can now select all of the course types and subunits as well as the corresponding norm value basis valid for this sub-norm.



Norming types

	Name	Minimum value	Maximum value	Far Below Average	Slightly Below Average	Slightly Above Average	Far Above Average
1.	General norm	70	130	85	95	105	115
	Name						

Assignment of: General norm

Course Type
- ALL
- Lecture
- Seminar
- Laboratory Tutorial
- Working Group
- Others
- Modul General
- Modul Trainer

Subunits
- ALL
- Computer Sciences
- Economics
- Engineering
- Professional Development
- Scanstation Demo Subunit
- _Data Entry Demo Subunit
- _Systemlogins

Basis for norm value
- Own value base
- Belmore WS 10/11
- Economics WS10/11
- Hernandez WS 10/11
- Hernandez/Belmore WS 10/11
- Overall Report unweighted
- Overall Report weighted
- Prof. Dev. - Economics - Overall Re

Figure 434: Norming: Edit Norming Types

6.2. Quality Guidelines

With quality guidelines you can define minimum standards for questions in a questionnaire that have to be reached by survey responses.

Note:
Please note that quality guidelines are only available for scaled questions.

By using such an overview, executives within an organization, such as a dean, are able to put together and assess a number of evaluated courses and access detailed reports if desired.

The (subunit) administrator sets quality guidelines for a questionnaire by allocating a weight and a threshold value to each question or question group that will subsequently be used in the calculation of a quality index. For an evaluated topic or course this quality index can be between 0% and 100%.

6.2.1. Setting Quality Guidelines

Quality guidelines are set in the questionnaire details. Choose the option “Quality Guidelines” in the drop-down menu “Advanced Settings” and click on [Edit].

Any quality guidelines (or their question groups, respectively) that have been already defined appear in the list. These are one or more questions that have individual weights attached as well as a group weighting for the quality guideline. Existing quality guidelines can be edited or deleted. One way to set up new quality guidelines is to set them up manually via the button [New].

Note:
Please bear in mind that the mirroring of scale values (in the questionnaire details) does not affect the calculation of the quality guidelines. Therefore, they always need to be calculated on the basis of the internal scale values (from 1 to n, from left to right).

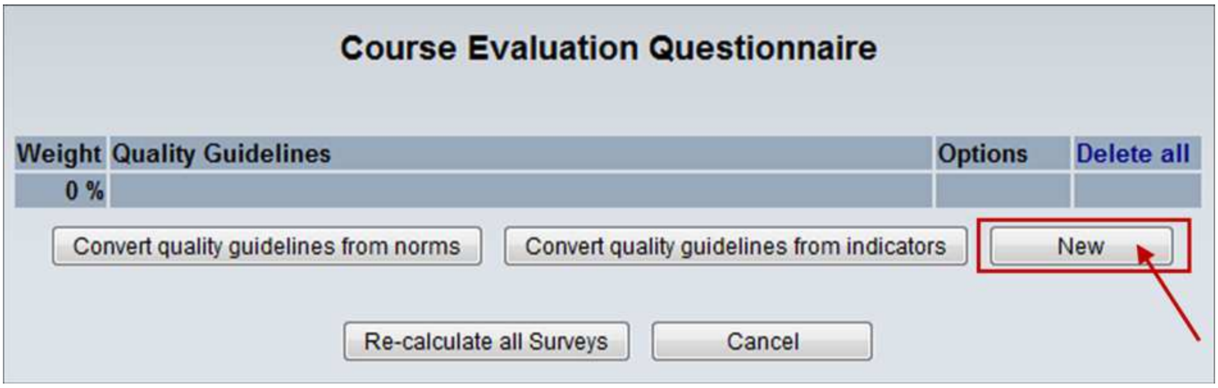
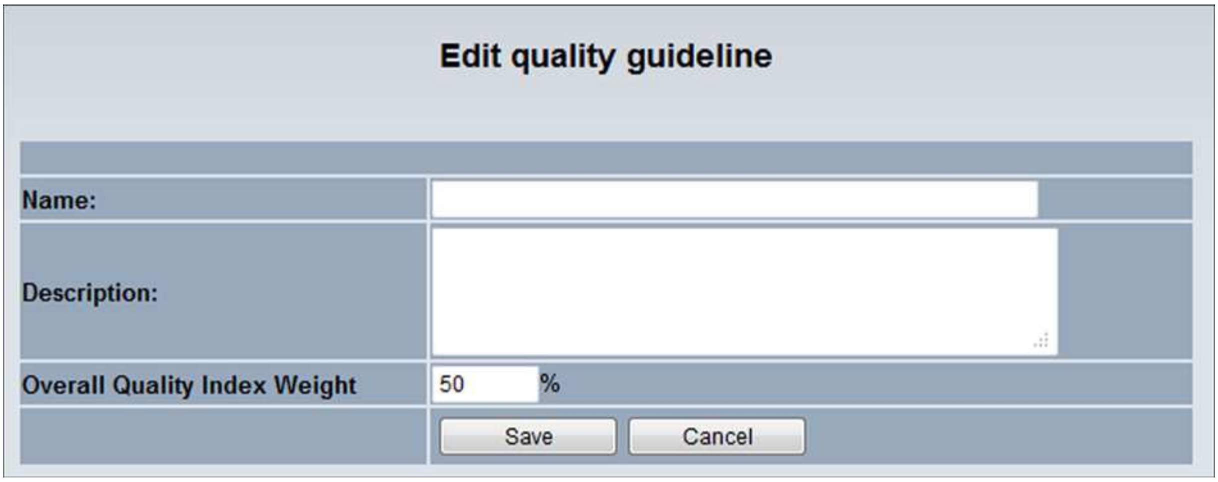

Course Evaluation Questionnaire
Weight
Quality Guidelines
Options
Delete all
0 %
Convert quality guidelines from norms
Convert quality guidelines from indicators
New
Re-calculate all Surveys
Cancel

Figure 435: Button “New” to Set Up New Quality Guidelines Manually

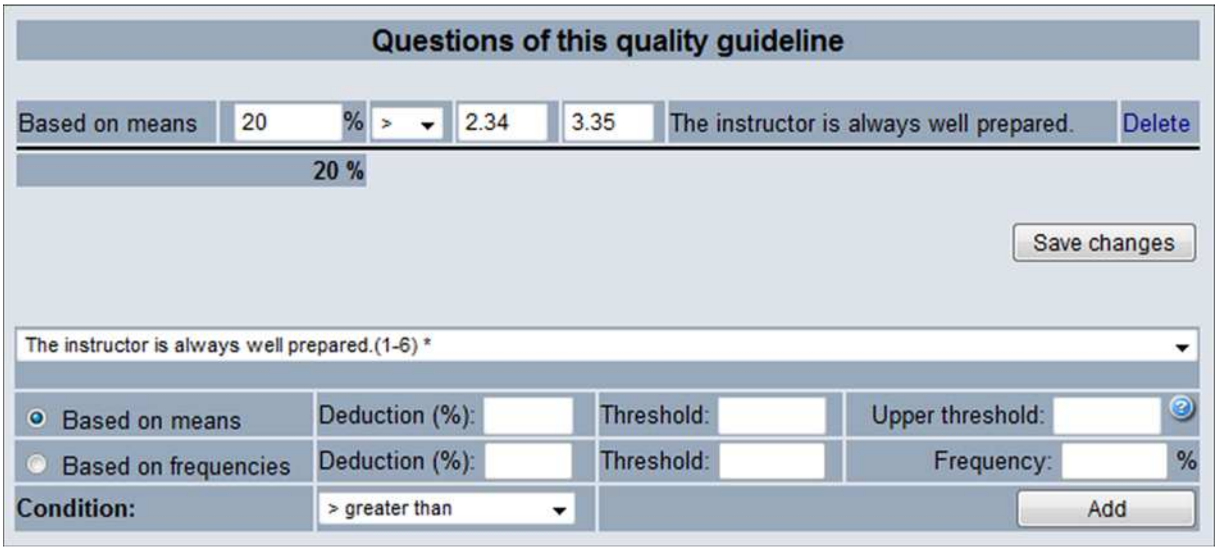
In the view that opens, a name and description have to be entered and a weight has to be assigned in relation to the overall quality index. The weight defines the maximal possible deduction in percent that this guideline can have on the overall quality index.


Edit quality guideline
Save
Cancel

Name:	
Description:	
Overall Quality Index Weight	50 %

Figure 436: Edit Quality Guidelines

The quality guideline is saved with [Save] and subsequently, questions can be added to it. Usually, questions on one topic area are combined in a quality guideline.



Questions of this quality guideline

Based on means	20	%	>	2.34	3.35	The instructor is always well prepared.	Delete
	20 %						

The instructor is always well prepared.(1-6) *

● Based on means	Deduction (%):	Threshold:	Upper threshold:
○ Based on frequencies	Deduction (%):	Threshold:	Frequency: %
Condition:	> greater than		

Figure 437: Definition of the Quality Guideline: Adding Questions

You can set up quality guidelines based on averages or based on frequency. Both types of guidelines can even be combined within one quality guideline and for the same question. In this case the worst result determines the traffic light color in the PDF report.

In addition to this, quality guidelines can be set up without defining them manually, by directly converting them from indicators or from existing norm values of the questionnaire. The following subsections explain these options in more detail.

Note:
Both the threshold values and the weighting in percent of the individual questions for a quality guideline can be changed anytime after setting it up. In order to do this, enter the new values and click on [Save changes].

Average-Based Quality Guidelines

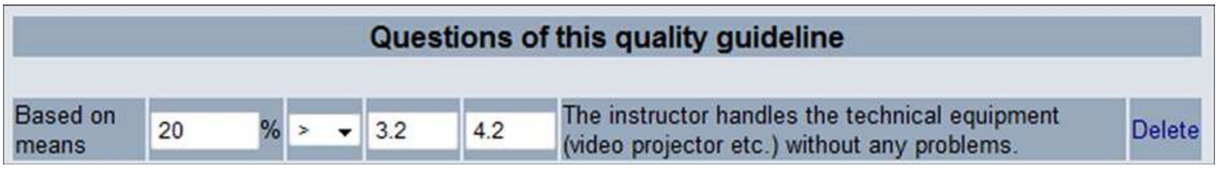
In the above example the question “The course perfectly prepares me for my professional life” was assigned a weight of 25%, a lower threshold value of 3 and an upper threshold of 4. It was also determined that higher values are positive. In this example we are dealing with a scaled question with response values ranging from 1 (strongly disagree) to 5 (strongly agree).

The targeted value in terms of quality is reached when the mean value is 4 or higher. If the mean for this question is below 4, a deduction will apply, starting with 0% and increasing linearly depending on the extent the value falls short of the target. The full 25% are deducted when the mean is equal to 3 or smaller. As soon as the question “The course perfectly prepares me for my professional life” reaches a mean value of only 3, the full 25% are deducted.

If other questions that belong to the guideline get a total weight of 75%, it is possible to reach a maximum deduction of 100%. This would mean that the deduction from the overall quality index set for this guideline would come to full effect. The extent of this deduction is determined when the quality guideline is created.

Example Calculation, when Higher Values Are Better:

In the following example, a scaled question with a 5-point scale “The instructor handles the technical equipment (video projector etc.) without any problems” was assigned a lower threshold value of 3.2 and an upper threshold of 4.2. It was also determined that higher values are better.

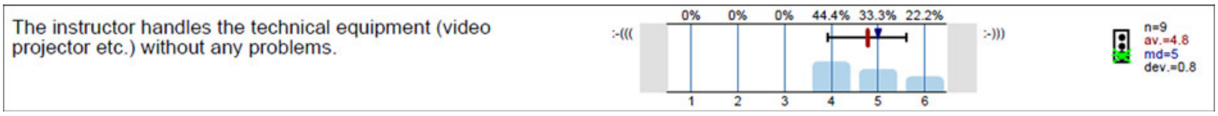


Questions of this quality guideline

Based on means	20	%	>	3.2	4.2	The instructor handles the technical equipment (video projector etc.) without any problems.

Figure 438: Definition of a Quality Guideline

When the question “The instructor handles the technical equipment (video projector etc.) without any problems” reaches a mean of 4.8 in a survey, a green traffic light symbol indicates that the target value (>4.2) has been reached.



The instructor handles the technical equipment (video projector etc.) without any problems.

Figure 439: Traffic Light in a PDF Report

	Lower Threshold Value	Upper Threshold Value	Weighting
Question 1	3	4	25%
Question 2	2.8	3.7	75%
QG 1			**25%**
Question 3	3	4	50%
Question 4	2.8	3.7	50%
QG 2			**75%**
Result A)	**Mean**	**Quality (absolute)**	**Quality (%)**
Question 1	3.8	0.80	80%
Question 2	3.1	0.33	33%
Q-Index 1			45%
Result B)	**Mean**	**Quality (absolute)**	**Quality (%)**
Question 3	4	1.00	100%
Question 4	3	0.22	22%
Q-Index 2			**61%**
Q-overall			**57%**

Table 19: Example Calculation of Quality Guidelines, when Higher Values Are Better

The values in the top half (shaded yellow) are the values from the quality guideline that you set individually when creating the guideline. For each quality guideline, you set the weighting in relation to the overall quality index (QG 1 = 25%).

You can then assign any number of scaled questions to each quality guideline (QG 1 = two questions). For these questions, you also define a lower and upper threshold value, as well as how much this question contributes to the quality guideline in percent (Question 1: lower threshold value = 3; upper threshold value = 4; a proportion of 25% of quality guideline 1).

In the lower half of the table (shaded green) you see the results of your questions. The question 1 for example reached a mean of 3.8.

The **absolute quality** is calculated according to the following formula:

(observed mean - lower threshold value)/(upper threshold value - lower threshold value)

In this example for question 1: (3.8-3)/(4-3)= 0.8

For the **quality in %** the following applies: If the quality is > 1, then 100% is reached. If the absolute quality is <0, then 0% is reached. For all values between 0 and 1, the quality in % = absolute quality * 100.

In this example for question 1: 0.8 * 100 = 80%

The **quality index of the whole quality guideline** is calculated with the following formula:

∑ (observed quality per question in % * weight per question) / 100

In the example this is for quality guideline 1: ((80%+25%)+(33%*75%))/ 100=44.75%

This value is rounded to 45%.

The following formula is used to calculate the **overall quality of this survey**:

∑ (quality index of whole quality guideline * weighting of whole quality guideline in relation to the overall quality index) / 100

In the example this gives the following calculation:

((45%*25%)+(61%*75%))/100=57%

Hence, the survey has reached an **overall quality of 57%**.

Example Calculation of Quality Guidelines when Lower Values Are Better:

	Lower Threshold Value	**Upper Threshold Value**	**Weighting**
Question 1	3	4	25%
Question 2	2.8	3.7	75%
QG 1			**25%**
Question 3	3	4	50%
Question 4	2.8	3.7	50%
QG 2			**75%**
Result A)	**Mean**	**Quality (absolute)**	**Quality (%)**
Question 1	1.5	2.5	100%
Question 2	4.5	-0.89	0%
Q-Index 1			**25%**
Result B)	**Mean**	**Quality (absolute)**	**Quality (%)**
Question 3	3.5	0.5	50%
Question 4	2	1.89	100%
Q-Index 2			**75%**
Q-overall			**62.5%**

Table 20: Example Calculation of Quality Guidelines when Lower Values are Better

The values in the top half of the table (shaded yellow) are the values of the quality guideline that you set individually when creating the guideline. For each quality guideline you define the weighting in relation to the overall quality index (QG 1 = 25%). Any number of scaled questions can then be assigned to this quality guideline (QG 1 = 2 questions). For each of these questions you define a lower and upper threshold as well as the percentage it counts towards the quality guideline (question 1: lower threshold value = 3, upper threshold value = 4; proportion of quality guideline 1 of this question: 25%).

In the bottom half of the table (shaded green) you can see the results of your questions. Question 1 for example has a mean value of 1.5.

The **absolute quality** is calculated according to the following formula:

(upper threshold value - observed mean)/(upper threshold value - lower threshold value)

In this example for question 1: (4-1.5)/(4-3)= 2.5

For the **quality in %** the following applies: If the absolute quality is > 1, then 100% is reached. If the absolute quality is < 0, this corresponds to 0%. For all values between 0 and 1 the quality in % = absolute quality *100.

In this example for question 1: 2.5 > 1 = 100%In order to calculate the quality index for the whole quality guideline, use the following formula:

∑ (observed quality per question in % * weighting per question) / 100

In this example for quality guideline 1: ((100%*25%)+(0%*75%))/100 = 25%

The **overall quality of the survey** is calculated using the following formula:

∑ (quality index of whole quality guideline * weighting of whole quality guideline in relation to the overall quality index)/100

In the example the calculation is thus:

((25%*25%)+(75%*75%))/100 = 62.5%

The survey thus reached an overall quality of 62.5%.

Hint:

If in the questionnaire you have defined questions where the best/worst evaluation result can be found exactly in the middle (= “level questions”), you can choose them twice when defining a quality guideline.

A possible level question is “Do you think the number of presentations was adequate?”. In answer to this, the interviewees can select one of seven possible options connected with the ratings “too few” – “just perfect” – “too many”. The positive judgments lie in the middle (when the interviewees choose “just perfect”, respectively the value of 4). To integrate these questions into the quality guideline in a meaningful way, first choose a question and define the first side of the scale to be negative (“left of the middle”). For evaluation results below a certain threshold (e.g. 2.5), you have to make a quality deduction. As normal, you have to define a range of tolerance here (e.g. 2.0 to 2.5).

For the other side of the scale (“right of the middle”) you have to choose the question once again. Now you can say that results bigger than the upper threshold will also cause a deduction of quality (e.g. the upper threshold may be 6 – again with a chosen range of tolerance). In this way you ensure the level questions are interpreted in a meaningful way in regard to the quality guideline.

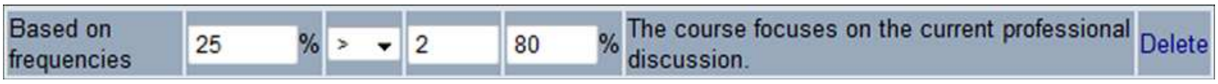
If you integrate level questions into the quality guidelines, the total quality percentage of all scaled questions can exceed 100% because each of the level questions needs to be included twice.

Note:
Please note: After choosing a question once it will be marked by an asterisk (*) in the list. Thus you will be informed that it is already in use in the quality guideline.

Frequency-Based Quality Guidelines

As an alternative to the averaged-based quality guidelines discussed above you can set so-called frequency-based quality guidelines. In this case, the decisive criterion is not a mean value which is equally influenced by all respondents, but a specified frequency of responses within a particular range of response values.

Setting Frequency-Based Quality Guidelines



Based on frequencies	25	%	>	2	80	%	The course focuses on the current professional discussion.	Delete

Figure 440: Frequency-Based Quality Guideline

In this example there is a scaled question with 6 response options (higher values are better in this case). The aim of the guideline is to apply a deduction of 25% if 20% or more of the responses are for the negative response options 1 or 2.

This means in turn that in order to meet the defined requirements more than 80% of the responses need to be for the remaining options 3, 4, 5 and 6. Therefore the condition is defined that more than 80% of the respondents need to have chosen an option higher than 2 for the quality guideline to be met.

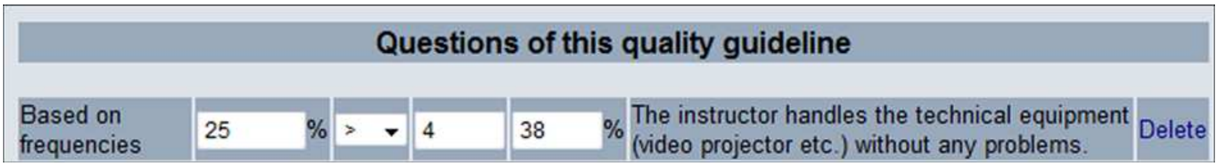
Advantages and Drawbacks of Frequency-Based Quality Guidelines

The advantage of frequency-based quality guidelines is that a certain critical mass (in this case 20%) can have the effect that a quality guideline is not met, independent of the opinion of the remaining respondents.

As a drawback it has to be noted that, contrary to average-based quality guidelines, there is no tolerance region and therefore when the targeted value is not reached, the full deduction comes to effect immediately.

Example calculation, when higher values are better:

In the following example for the scaled question “The instructor is always well prepared” with 6 response options it was defined that at least 36% of respondents must have chosen response options 5 or 6. At the same time it was set that high values are better.


Questions of this quality guideline

Based on frequencies	25	%	>	4	38	%	The instructor handles the technical equipment (video projector etc.) without any problems.	Delete

Figure 441: Define Frequency-Based Quality Guideline

In the following figure 55.5% (33.3% + 22.2%) have ticked the values 5 or 6 in response to the question “The instructor handles the technical equipment (video projector etc.) without any problems”. Therefore, a green traffic light symbol in the PDF report indicates that the target value was met.

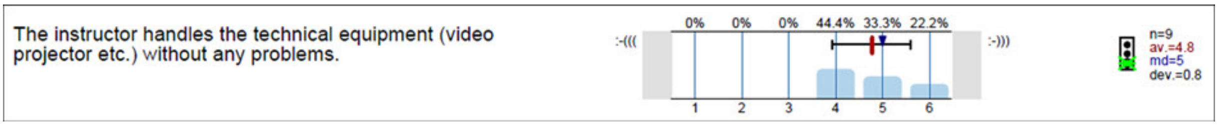

The instructor handles the technical equipment (video projector etc.) without any problems.

Figure 442: Frequency-Based Quality Guideline - Traffic Light

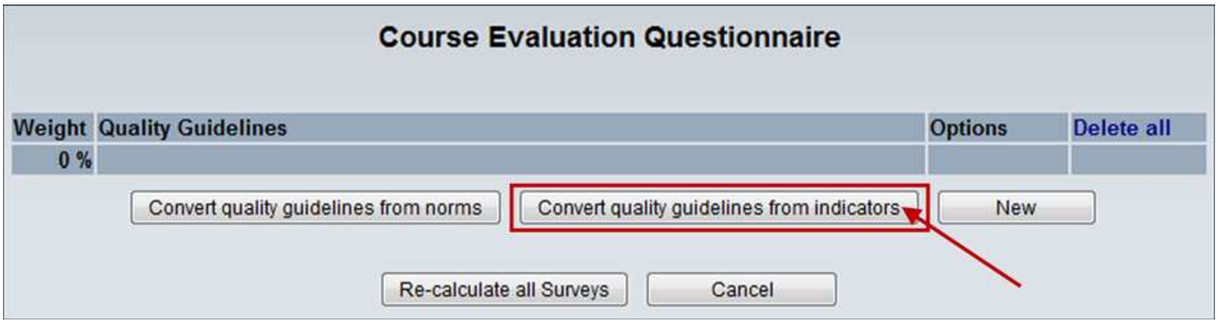
Note:
Only whole numbers can be entered as percent figures. Decimal numbers are not supported. For example, if you fill in the percentage value of 38.5% EvaSys automatically rounds this to 39%. A value of 38.2% would be automatically rounded down to 38%.

6.2.2. Converting Indicators into Quality Guidelines

If you have defined indicators for your questionnaire already you can use these in order to save work when defining quality guidelines. EvaSys can convert question groups for which you have set indicators automatically into quality guidelines; it allocates the questions corresponding to the question group to the respective quality guideline. Like this, the structure of a questionnaire with its question groups and questions belonging to them can be directly adopted for the quality guidelines.

In order to convert guidelines, choose the option “Quality Guidelines” in the drop-down menu “Advanced Settings” and click on [Edit]. You are now offered a dialogue where you can define quality guidelines.

Now click on [Convert quality guidelines from indicators]:


Course Evaluation Questionnaire

Weight	Quality Guidelines	Options	Delete all
0 %			

Convert quality guidelines from norms
Convert quality guidelines from indicators
New
Re-calculate all Surveys
Cancel

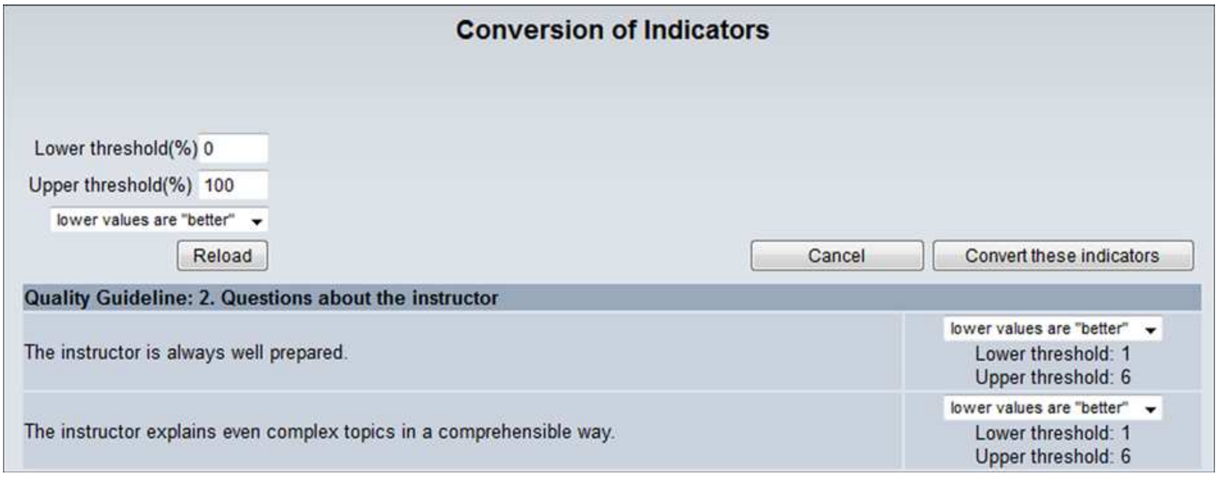
Figure 443: Button “Convert quality guidelines from indicators”

Note:
As only one set of quality guidelines can be defined for a questionnaire, the button [Convert quality guidelines from indicators] is only available if no other guidelines had been defined before. If needed, you can delete existing guidelines via the link “Delete all” (top right). Please note that the deletion of quality guidelines cannot be undone.

The button is also unavailable if there have not been defined any indicators for the questionnaire so far. In this case please check whether you have already defined indicators for the questionnaire.

How you can set up indicators in EvaSys is explained in chapter B 5.1.3. "Creating the Indicators for a Questionnaire".

After clicking on the button [Convert quality guidelines from indicators], the following window appears, listing the content of the questionnaire with its question groups and questions:


Conversion of Indicators

Lower threshold(%) 0
Upper threshold(%) 100
lower values are "better"

Quality Guideline: 2. Questions about the instructor

The instructor is always well prepared.	lower values are "better" Lower threshold: 1 Upper threshold: 6
The instructor explains even complex topics in a comprehensible way.	lower values are "better" Lower threshold: 1 Upper threshold: 6

Figure 444: Converting a Quality Guideline from Indicators (Dialog for Conversion)

On the top left the relevant lower and upper threshold values for the quality guidelines are set for all scaled questions in terms of percentage values. In addition you can declare a global default setting regarding the orientation of the scales (whether higher values are better or lower values are better).

Underneath you find the question groups with all scaled questions that belong to them. On the right-hand side you find for each scaled question a drop-down menu as well as the lower and upper threshold values.

The orientation of the scales is particularly important: Here, this can be defined individually, so that you can change poles for individual questions if necessary. The threshold values for the range of tolerance depend on the length of your scale (2 to 11 options); exact target values can be defined later. In order to refresh the view after editing values click on [Reload].

The following examples illustrate some threshold values for different scales:

Type of Scale	Lower Threshold 40%	Upper Threshold 60%	Poling	Resulting Quality Guideline
4-point scale	2.2	2.8	Higher values are better	> (2.2 - 2.8)
5-point scale	2.6	3.4	Higher values are better	> (2.6 - 3.4)
6-point scale	3	4	Higher values are better	> (3 - 4)
7-point scale	3.4	4.6	Higher values are better	> (3.4 - 4.6)
4-point scale	2.2	2.8	Lower values are better	< (2.2 - 2.8)
5-point scale	2.6	3.4	Lower values are better	< (2.6 - 3.4)
6-point scale	3	4	Lower values are better	< (3 - 4)
7-point scale	3.4	4.6	Lower values are better	< (3.4 - 4.6)

Table 21: Threshold Values

Example:

Calculation of a tolerance range for: lower threshold = 40%; upper threshold = 60%.

- e. g. 4-point scale: Distance of three whole units between 1 and 4

Lower threshold:

- 40% (=0.4) of the three units: 3 * 0.4 = 1.2
- Add the value of 1.2 to the starting value of the scale (= 1, as there has to be ticked at least the value “1”): equals 2.2

Upper threshold:

- 60% (=0.6) of the three units: 3 * 0.6 = 1.8
- Add the value of 1.8 to the starting value of the scale (=1): equals 2.8

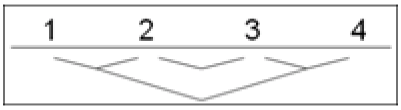
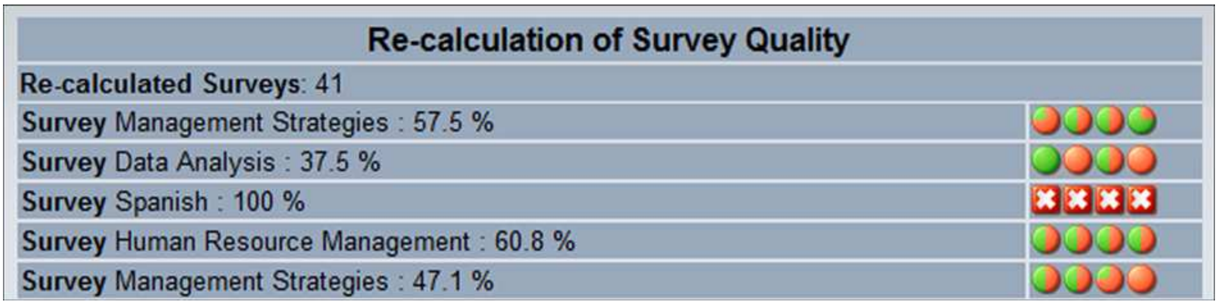


Figure 445: Quality Guideslines: Three whole Units, Beginning at “1”

Type of Scale	Lower Threshold 40%	Upper Threshold 60%	Poling	Resulting Quality Guideline
4-point scale	2.2	2.8	Higher values are better	> (2.2 - 2.8)

Table 22: Threshold Values - Example of a 4-Point Scale

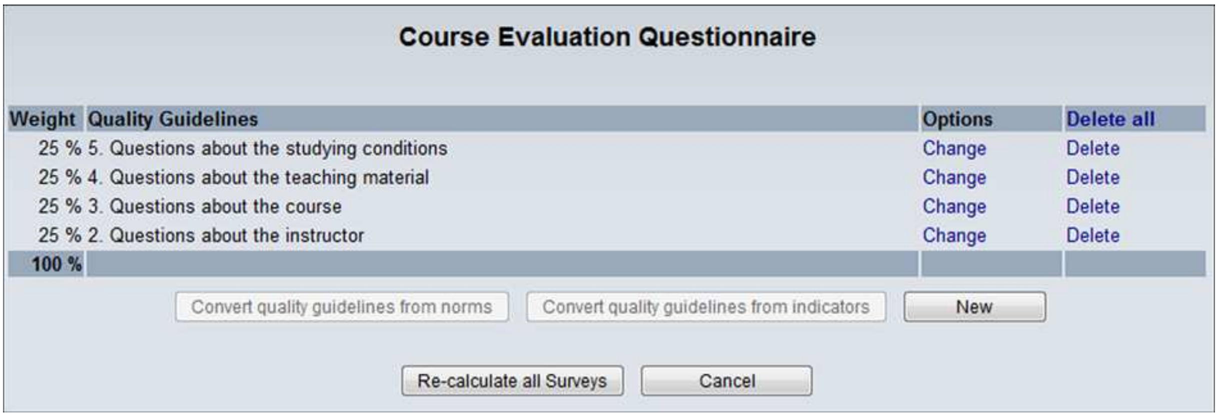
After you have chosen all settings, click on [Convert these indicators], in order to create the quality guidelines. Afterwards quality indices for all surveys that were conducted with this questionnaire are computed automatically. As usual, a green circle symbolizes a quality guideline that has been fully met and a red circle one that has not been met (with several stages in between). White crosses on red background denote that there are no results available for this survey yet:



Re-calculation of Survey Quality	
Re-calculated Surveys: 41	
Survey Management Strategies : 57.5 %	●●●●
Survey Data Analysis : 37.5 %	●●●●
Survey Spanish : 100 %	☒☒☒☒
Survey Human Resource Management : 60.8 %	●●●●
Survey Management Strategies : 47.1 %	●●●●

Figure 446: Quality Guideslines: Re-Calculation of Quality Indices

In the overview of the quality guidelines you can now see the question groups of the questionnaire as quality guidelines:



Course Evaluation Questionnaire

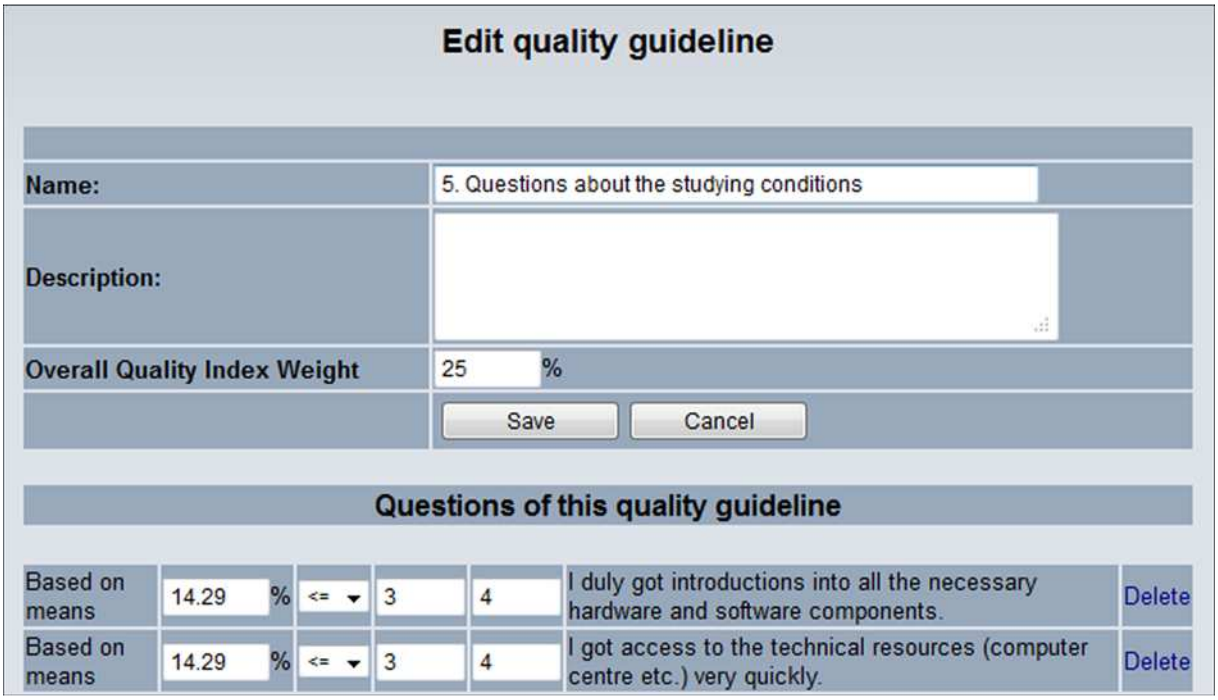
Weight	Quality Guidelines	Options	Delete all
25 %	5. Questions about the studying conditions	Change	Delete
25 %	4. Questions about the teaching material	Change	Delete
25 %	3. Questions about the course	Change	Delete
25 %	2. Questions about the instructor	Change	Delete
100 %			

Convert quality guidelines from norms
Convert quality guidelines from indicators
New
Re-calculate all Surveys
Cancel

Figure 447: Quality Guidelines: Overview of Quality Guidelines

You find this list in the area “Advanced Settings” in the questionnaire details; choose the option “Quality guidelines”, then click on [Edit]. The dialog pictured above appears.

Each quality guideline can now be edited as usual. For example, individual questions can be weighted differently if necessary or different threshold values can be defined:



Edit quality guideline

Name:	5. Questions about the studying conditions
Description:	
Overall Quality Index Weight	25 %

Questions of this quality guideline

Based on means	14.29 %	<=	3	4	I duly got introductions into all the necessary hardware and software components.	Delete
Based on means	14.29 %	<=	3	4	I got access to the technical resources (computer centre etc.) very quickly.	Delete

Figure 448: Edit Quality Guideline

6.2.3. Converting Norms into Quality Guidelines

When defining quality guidelines it is often difficult to decide where to set thresholds for good and poor quality. A natural approach is therefore to set these thresholds on the basis of results that you have collected with this questionnaire in past surveys. The function “Convert quality guidelines from norms” has been created to make this process simpler.

Statistical Approach

The direct basis of the quality guidelines are the norm values (i.e. mean and standard deviation of the norm base) of the individual questions. The strength of this approach is that the norm values are based on a very large data basis and the poling of the questions is already set.

The idea of the conversion is to tie the lower and upper thresholds of the quality guideline to the means and standard deviations of the norm base. Whether the threshold value corresponds exactly to the mean of the norm base or is slightly better or worse can be defined by the user by choosing a “multiple” of the standard deviation of the norm base (S).

This multiple is called granularity. The granularity can be between +3 and -3, so that you can define whether the threshold of the quality guideline is to be below or above the mean of the norm base. The granularity is chosen once for the lower and once for the upper threshold for all questions together.

The calculation of the threshold values for the quality guidelines is done automatically after the conversion.

Conversion

In order to access the conversion view choose "Quality guidelines" in the questionnaire details in the drop-down menu under "Advanced Settings", then click on [Edit]. In the window that opens, click on the button [Convert quality guidelines from norms].

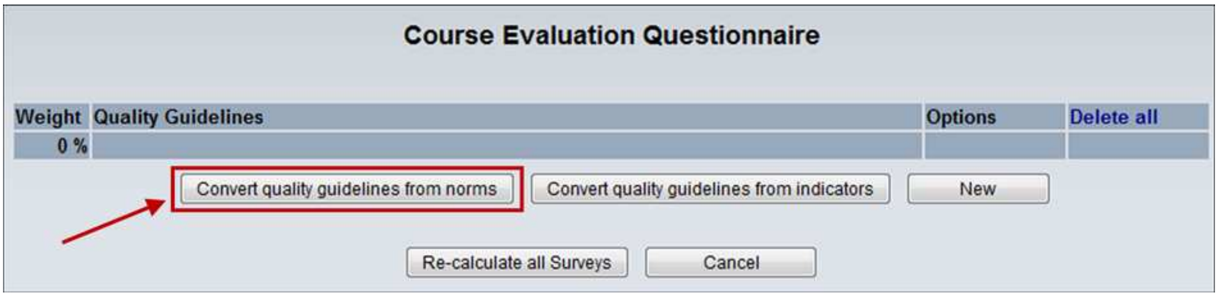

Course Evaluation Questionnaire
Weight
Quality Guidelines
Options
Delete all
0 %
Convert quality guidelines from norms
Convert quality guidelines from indicators
New
Re-calculate all Surveys
Cancel

Figure 449: Button "Convert quality guidelines from norms"

Note:

As only one set of quality guidelines can be defined for a questionnaire, the button [Convert quality guidelines from norms] is only available if no other guidelines have been defined. If needed, you can delete existing guidelines via the link "Delete all" (top right). Please note that the deletion of quality guidelines cannot be undone.

The button is also unavailable if there have not been any norms defined for the questionnaire so far. In this case please check whether you have already defined norms for the questionnaire.

Details on how to create norm values can be found in chapter B 6.1.2. "Definition of Norm Values for Questionnaires".

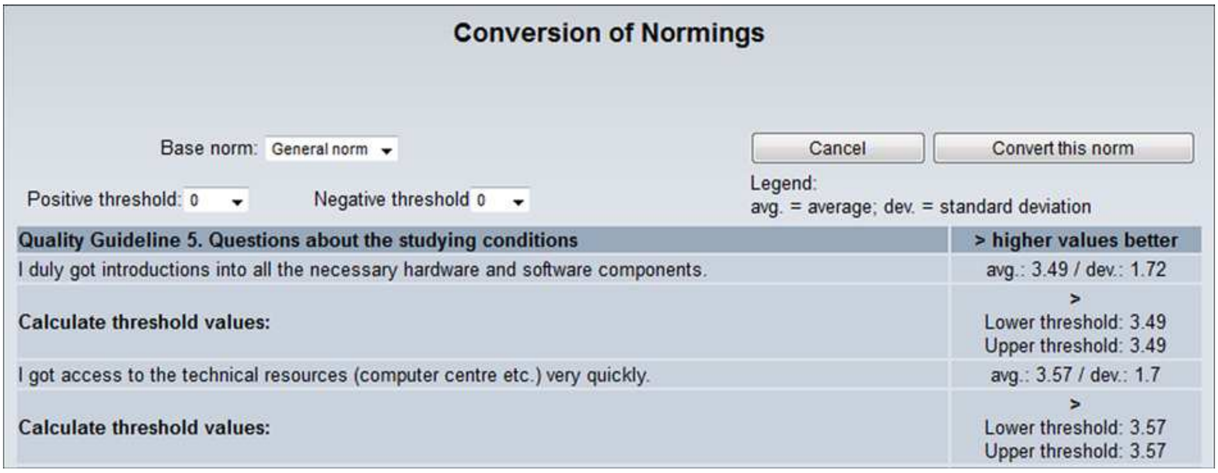
After you have clicked on the button [Convert quality guidelines from norms] a new window opens showing your questionnaire with all question groups and the scaled questions that were assigned to them, as well as the mean and standard deviation of the norm base. The conversion of the dimensions (= question groups) of the norm base into quality guidelines is conducted as the conversion view is accessed.

Initially, all questions within a question group are weighted equally within the quality guideline.

Select a norm set as basis under "Base norm" in the header area. This norm set needs to be already there for the norms of this questionnaire.

The guidelines are listed with the respective questions belonging to them underneath. On the right, the norm base mean (= avg.), the norm base standard deviation (= dev.) as well as the lower and upper threshold are shown for each question. Initially, the default settings of the threshold values correspond to the norm base mean (=avg.).

Now the factor for the positive and negative threshold can be selected in the drop-down list in the header area.



Conversion of Normings

Legend:
avg. = average; dev. = standard deviation

Quality Guideline 5. Questions about the studying conditions	> higher values better
I duly got introductions into all the necessary hardware and software components.	avg.: 3.49 / dev.: 1.72
Calculate threshold values:	> Lower threshold: 3.49 Upper threshold: 3.49
I got access to the technical resources (computer centre etc.) very quickly.	avg.: 3.57 / dev.: 1.7
Calculate threshold values:	> Lower threshold: 3.57 Upper threshold: 3.57

Figure 450: Quality Guidelines: Setting of Threshold Values

Threshold values can be changed with the drop-down list in the header area by setting the granularity. It should be noted that the granularity of the negative threshold needs to be equal to or larger than that of the positive threshold.

Pressing the button [Convert this norm] generates the quality guidelines and the quality indices of the relevant surveys are recalculated automatically.

Of course, once the quality guidelines have been generated automatically, they can be further edited and adapted.

Example Calculation, when Higher Values Are Better:

For a questionnaire where higher values are better, the granularity set for the negative threshold affects the calculation of the lower threshold value (= negative threshold value).

Note:

In a question where higher values are better, the negative thresholds are always the lower thresholds.

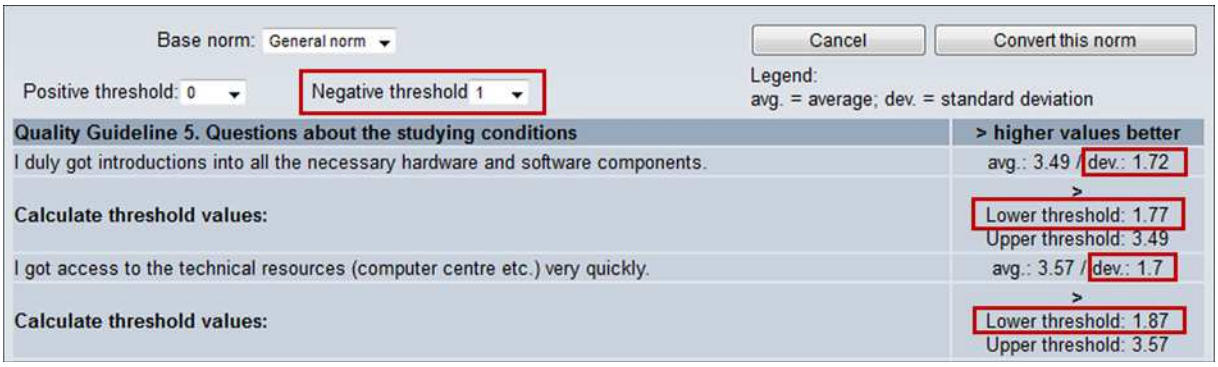
Accordingly, the granularity of the positive threshold influences the upper threshold value.

The following formula is used for this:

Lower threshold value = norm base mean value (avg.) - granularity of the negative threshold * norm base standard deviation

Hence, for the example pictured below the calculation is as follows:

1. lower threshold value = 3.49 - 1 * 1.72 = 1.77
2. lower threshold value = 3.57 - 1 * 1.7 = 1.87



Base norm: General norm

Positive threshold: 0

Negative threshold 1

Legend:
avg. = average; dev. = standard deviation

Quality Guideline 5. Questions about the studying conditions	> higher values better
I duly got introductions into all the necessary hardware and software components.	avg.: 3.49 / dev.: 1.72
Calculate threshold values:	> Lower threshold: 1.77 Upper threshold: 3.49
I got access to the technical resources (computer centre etc.) very quickly.	avg.: 3.57 / dev.: 1.7
Calculate threshold values:	> Lower threshold: 1.87 Upper threshold: 3.57

Figure 451: Quality Guidelines: Example Calculation, when Higher Values Are Better

Example calculation, when Lower Values Are Better:

For a questionnaire where lower values are better, the granularity set for the negative threshold (= negative threshold value) affects the calculation of the upper threshold value (= negative threshold value).

Note:

In a question where lower values are better, the negative thresholds are always the upper thresholds.

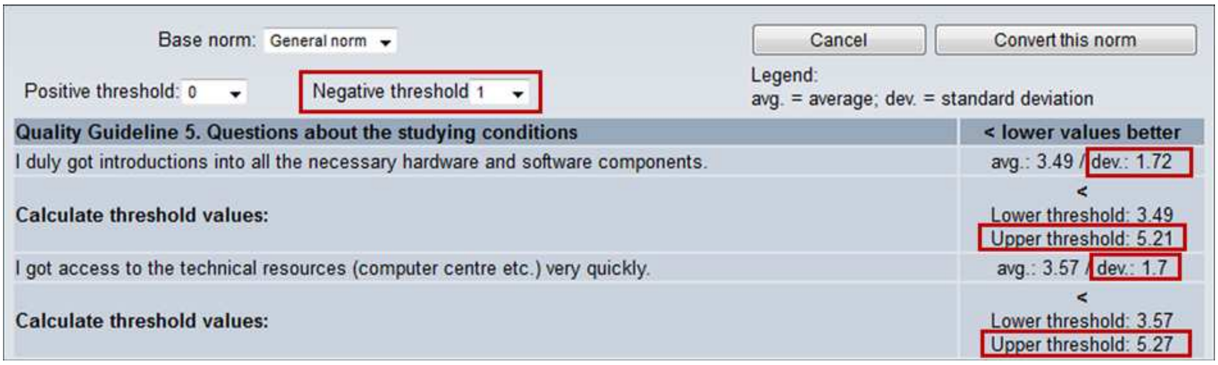
Accordingly, the granularity of the positive threshold influences the lower threshold value.

The following formula is used for this:

Upper threshold value = norm base mean value (avg.) + granularity of the negative threshold * norm base standard deviation

Hence, for the example below the calculation is as follows:

1. upper threshold value = 3.49 + 1 * 1.72 = 5.21
2. upper threshold value = 3.57 + 1 * 1.7 = 5.27



Base norm: General norm

Positive threshold: 0

Negative threshold 1

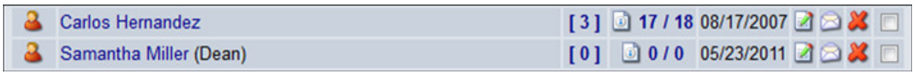
Legend:
avg. = average; dev. = standard deviation

Quality Guideline 5. Questions about the studying conditions	< lower values better
I duly got introductions into all the necessary hardware and software components.	avg.: 3.49 / dev.: 1.72
Calculate threshold values:	< Lower threshold: 3.49 Upper threshold: 5.21
I got access to the technical resources (computer centre etc.) very quickly.	avg.: 3.57 / dev.: 1.7
Calculate threshold values:	< Lower threshold: 3.57 Upper threshold: 5.27

Figure 452: Quality Guidelines: Example Calculation, when Lower Values Are Better

6.2.4. Authorizing Access Rights to QM Views

In order to grant, for example, a dean access to QM views, a user account must be set up in the relevant subunit. If the dean is already a user, because his own courses are evaluated, then the existing user account can be activated for QM views.

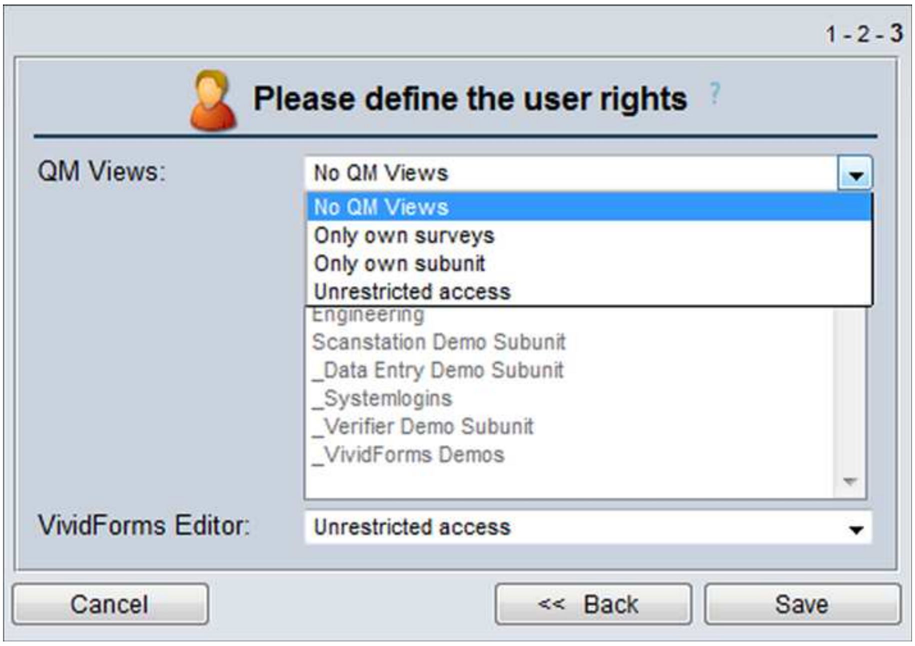


Carlos Hernandez	[3]	17 / 18	08/17/2007
Samantha Miller (Dean)	[0]	0 / 0	05/23/2011

Figure 453: QM Views: Editing User Data

To acquire access to QM views, the user must be an active one. Activation can be effected by clicking on the symbol next to the user. The symbol appears, indicating that access has been granted. The user type “Dean” is the exception to the rule, because he also has access to the QM views as a passive user. Open the profile data of the user by clicking on his name.

In the lower area next to the field “QM views” you can define access in four different authorization levels:



1 - 2 - 3

Please define the user rights

QM Views: No QM Views

VividForms Editor: Unrestricted access

No QM Views
Only own surveys
Only own subunit
Unrestricted access
Engineering
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins
_Verifier Demo Subunit
_VividForms Demos
Cancel
<< Back
Save

Figure 454: QM Views: Authorizing Access Rights

No QM Views

The user has no access to QM views.

Only Own Surveys

The user has only access to his own surveys. These are surveys that have been registered by the administrator to the user’s own user profile.

Only Own Subunit

This option gives the user access rights to all surveys within his own subunit.

It is possible to access multiple subunits by selecting from the “additional subunits” list. This can be done after the access level “only own subunit” has been selected.

Unrestricted Access

This option grants authorization to access all existing surveys in the system.

6.2.5. Use of QM Views

Displaying Course Lists

Individuals with access rights are informed through login details (user name, password, web address). To increase security you can restrict the permissible IP address domain. Consult the relevant section in the “Initial Operations”.

After logging in with the user name and password, the user arrives at his or her activated user account.

This user account is equivalent to an activated instructor account, that is it can also be used to implement “private” surveys.

With a click on the menu item “QM view” the quality overview is opened.

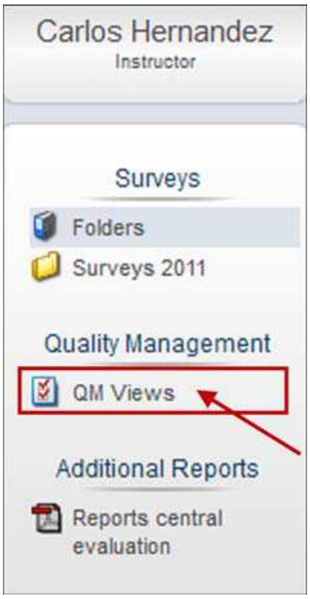
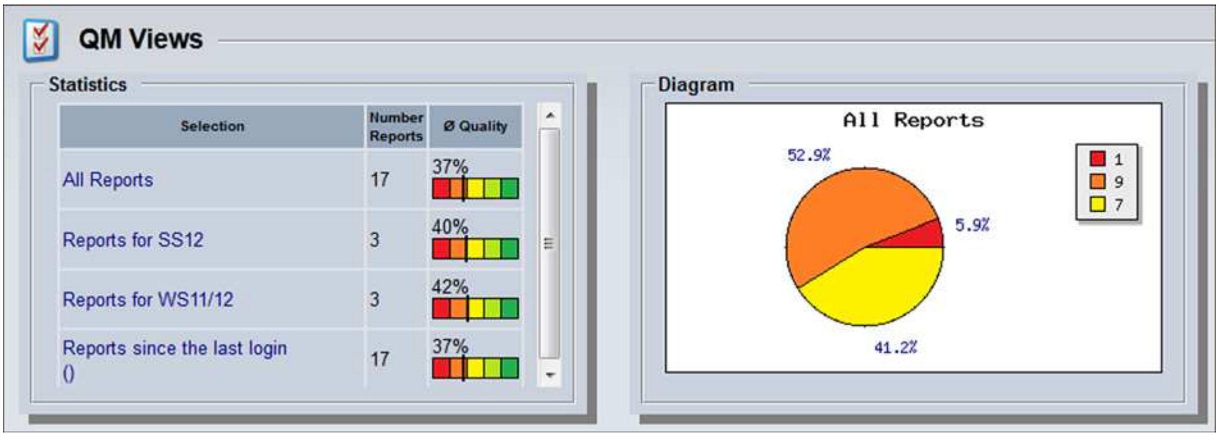


Figure 455: QM Views: Open View

This opens the start page of the QM views, which - similar to a dashboard - offers an overview of the results of the quality management based on the quality guidelines.

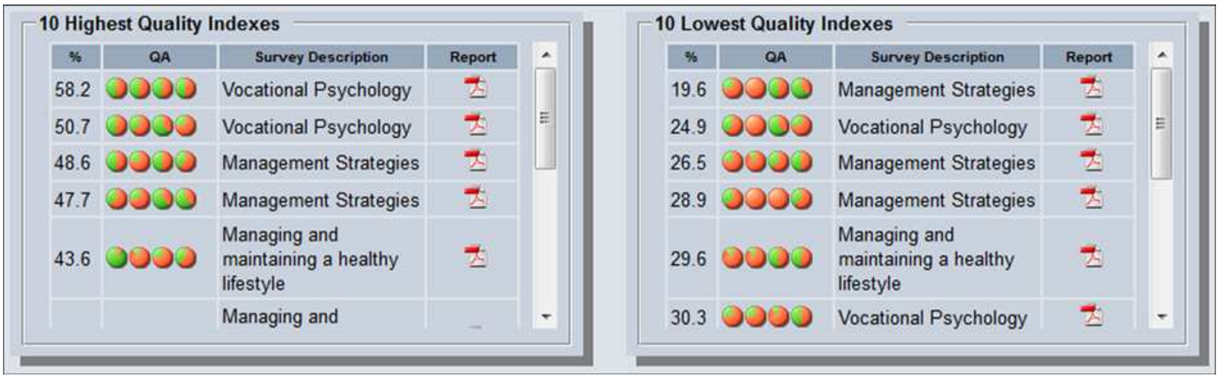
The area “Statistics” provides an overview of the total number of reports and the reports of the current and last period, together with the reports that have been added since the last login of the user and shows the average quality index attained by each group. By clicking on the group's name a pie chart appears in the adjacent 'Diagram' area showing as a graphic the distribution of reports according to the quality index that has been reached.



Selection	Number Reports	Ø Quality
All Reports	17	37%
Reports for SS12	3	40%
Reports for WS11/12	3	42%
Reports since the last login ()	17	37%

Figure 456: QM Views: Start Page - Area “Statistics” and “Diagram”

In the middle of the page, ten surveys with the highest and lowest quality indexes are presented in a table. The corresponding PDF reports to these surveys can be retrieved by clicking on the PDF icon in the “Report” column.

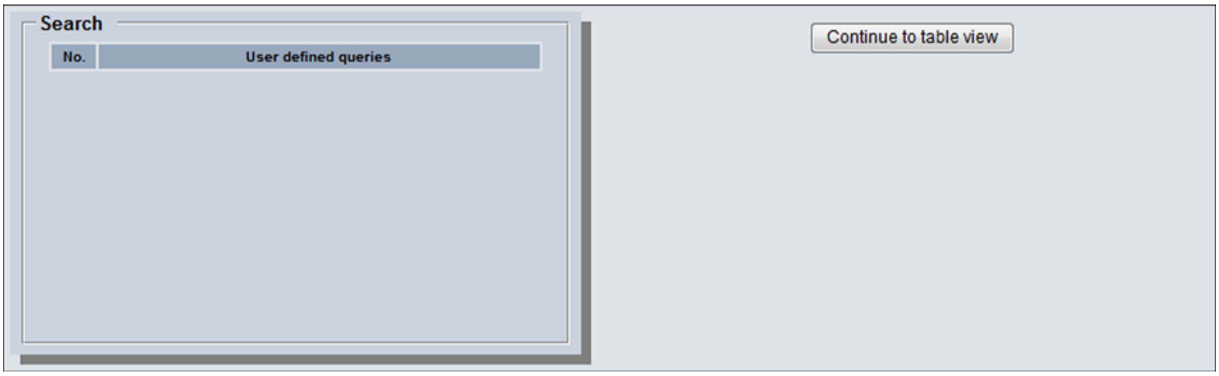


%	QA	Survey Description	Report
58.2	●●●●	Vocational Psychology	
50.7	●●●●	Vocational Psychology	
48.6	●●●●	Management Strategies	
47.7	●●●●	Management Strategies	
43.6	●●●●	Managing and maintaining a healthy lifestyle	
		Managing and	

%	QA	Survey Description	Report
19.6	●●●●	Management Strategies	
24.9	●●●●	Vocational Psychology	
26.5	●●●●	Management Strategies	
28.9	●●●●	Management Strategies	
29.6	●●●●	Managing and maintaining a healthy lifestyle	
30.3	●●●●	Vocational Psychology	

Figure 457: QM Views: Start Page - Highest and Lowest Quality Indexes

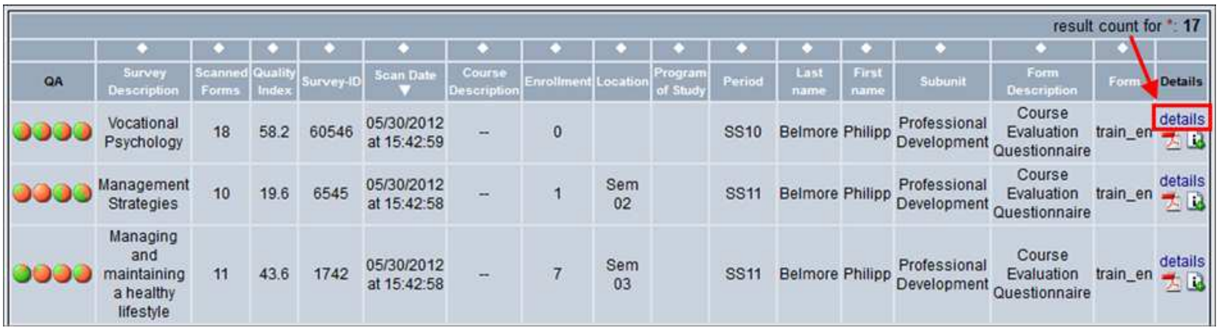
At the bottom of the window, the users' previous searches in the QM views are saved and displayed. By clicking on the name of the search the saved view is directly accessed. A click on the adjacent button [Continue to table view] leads to a complete overview of all the surveys that have been defined for the quality guidelines.



No.	User defined queries

Figure 458: QM Views: Start Page - Saved Searches and Access to Table

The table opens in a new browser tab or browser window. All evaluated courses with quality guidelines are shown in the list.



result count for *: 17

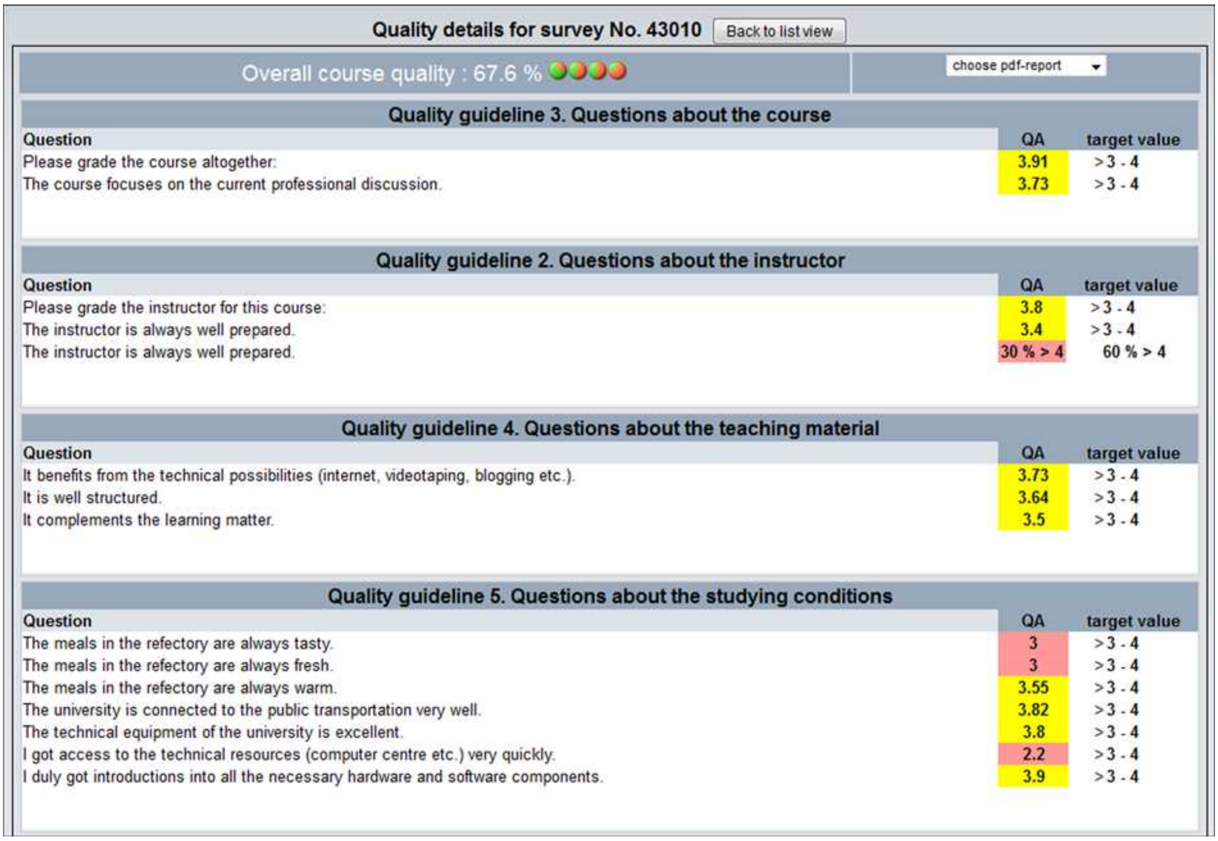
QA	Survey Description	Scanned Forms	Quality Index	Survey-ID	Scan Date ▼	Course Description	Enrollment	Location	Program of Study	Period	Last name	First name	Subunit	Form Description	Form	Details
●●●●	Vocational Psychology	18	58.2	60546	05/30/2012 at 15:42:59	--	0			SS10	Belmore	Philipp	Professional Development	Course Evaluation Questionnaire	train_en	details
●●●●	Management Strategies	10	19.6	6545	05/30/2012 at 15:42:58	--	1	Sem 02		SS11	Belmore	Philipp	Professional Development	Course Evaluation Questionnaire	train_en	details
●●●●	Managing and maintaining a healthy lifestyle	11	43.6	1742	05/30/2012 at 15:42:58	--	7	Sem 03		SS11	Belmore	Philipp	Professional Development	Course Evaluation Questionnaire	train_en	details

Figure 459: QM Views: Overview

In the example the results are for instance shown for the survey of the course “Leadership Development” with a quality calculated at 68.0 %.

The green-red circles each represent a quality guideline, in this example teaching structure/practical application/interest/interaction. The more red area, the more questions in this quality guideline are below the targeted value. In order to receive a more precise view, click on [Details].

You will then see a detailed list of all the quality guidelines of the questionnaire as well as those questions which did not reach the target value.



Quality details for survey No. 43010

Overall course quality : 67.6 % ●●●●

Quality guideline 3. Questions about the course

Question	QA	target value
Please grade the course altogether:	3.91	>3 - 4
The course focuses on the current professional discussion.	3.73	>3 - 4

Quality guideline 2. Questions about the instructor

Question	QA	target value
Please grade the instructor for this course:	3.8	>3 - 4
The instructor is always well prepared.	3.4	>3 - 4
The instructor is always well prepared.	30 % > 4	60 % > 4

Quality guideline 4. Questions about the teaching material

Question	QA	target value
It benefits from the technical possibilities (internet, videotaping, blogging etc.).	3.73	>3 - 4
It is well structured.	3.64	>3 - 4
It complements the learning matter.	3.5	>3 - 4

Quality guideline 5. Questions about the studying conditions

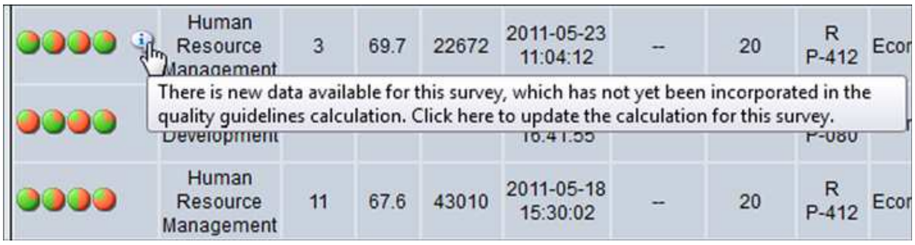
Question	QA	target value
The meals in the refectory are always tasty.	3	>3 - 4
The meals in the refectory are always fresh.	3	>3 - 4
The meals in the refectory are always warm.	3.55	>3 - 4
The university is connected to the public transportation very well.	3.82	>3 - 4
The technical equipment of the university is excellent.	3.8	>3 - 4
I got access to the technical resources (computer centre etc.) very quickly.	2.2	>3 - 4
I duly got introductions into all the necessary hardware and software components.	3.9	>3 - 4

Figure 460: QM Views: Quality Details

If a value is marked in red, the quality guideline has not been met at all; if the color is yellow, the value is within the range of tolerance. Other colors are not applied.

In order to open the complete report of the survey, click on [To the List] and in the line of the survey you are interested in on 📄 to open the PDF report.

If an information icon appears in the first column beside the green and red circles, then this means that data is available for this survey that has not yet been incorporated into the quality guidelines calculation. This can be the case, if, for example, the online survey data has been entered, but the PDF report has not yet been opened. Click the icon to calculate the quality guidelines for this survey. The quality guidelines are now newly calculated for this survey.



●●●●	ⓘ	Human Resource Management	3	69.7	22672	2011-05-23 11:04:12	--	20	R P-412	Ecor
●●●●		Development				16:41:55			P-080	
●●●●		Human Resource Management	11	67.6	43010	2011-05-18 15:30:02	--	20	R P-412	Ecor

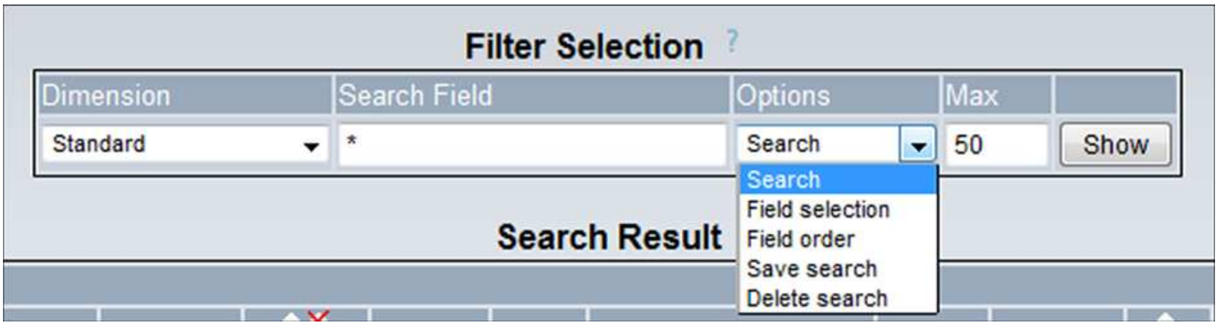
There is new data available for this survey, which has not yet been incorporated in the quality guidelines calculation. Click here to update the calculation for this survey.

Figure 461: QM Views: New Calculation for Single Surveys

6.2.6. Definition of Special Search and Table Configurations

In order to build a table according to your own specifications you can define searches yourself and save them. One of these self-defined searches can then be saved as the new default search. When you next login at EvaSys, this self-defined default search will automatically be used.

To define a search use the menu “Options” to arrive at all the necessary functions. These are:



Filter Selection

Dimension: Standard
Search Field: *
Options: Search
Max: 50

Figure 462: QM Views: Special Search Configuration

- Search:

  This is the search mode in which you will use the table view.

- Field selection:

  Here you can select those database fields you would like to use in your search.

- Sequence fields:

  This allows you to determine or change the sequence of columns selected in “field selection”.
- Save search:

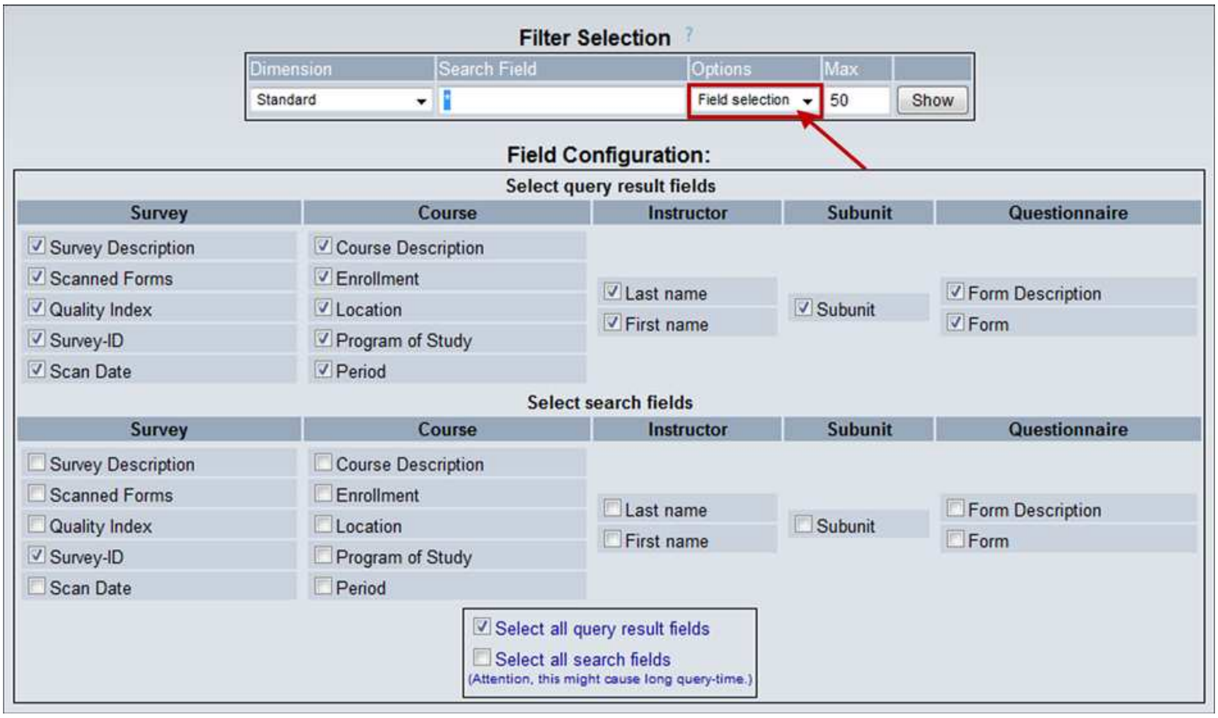
  This function allows you to save the current search settings under a name you enter or to replace an existing search.
- Delete search:

  This function lets you remove self-defined search settings.

Defining the Display and Search Fields

Using “Field selection” in the option field will display the database fields defined for the current search. In this example the fields are from the pre-set default search.

The fields appear twice. In the upper area the fields needed for the table view are marked. In the lower area those fields appear which are to be searched using the “Search” field. The selection of the search fields should include only those fields to be displayed.



Filter Selection

Dimension	Search Field	Options	Max	
Standard		Field selection	50	Show

Field Configuration:

Select query result fields

Survey	Course	Instructor	Subunit	Questionnaire
☑ Survey Description	☑ Course Description	☑ Last name	☑ Subunit	☑ Form Description
☑ Scanned Forms	☑ Enrollment	☑ First name		☑ Form
☑ Quality Index	☑ Location			
☑ Survey-ID	☑ Program of Study			
☑ Scan Date	☑ Period			

Select search fields

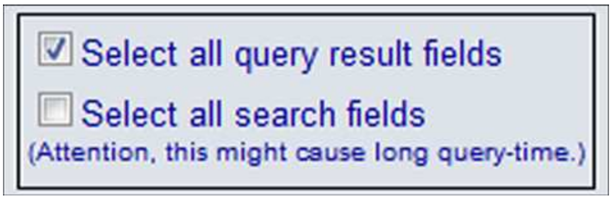
Survey	Course	Instructor	Subunit	Questionnaire
☐ Survey Description	☐ Course Description	☐ Last name	☐ Subunit	☐ Form Description
☐ Scanned Forms	☐ Enrollment	☐ First name		☐ Form
☐ Quality Index	☐ Location			
☑ Survey-ID	☐ Program of Study			
☐ Scan Date	☐ Period			

☑ Select all query result fields
☐ Select all search fields
(Attention, this might cause long query-time.)

Figure 463: QM Views: Field Selection

Please note that it may not be possible to completely display more than 10 fields in the screen horizontally, i.e. you will then have to scroll. Also a large number of search fields will mean greater use of the database and a noticeably longer processing time.

By clicking on “Select all fields of the search display” or “Select all search fields” at the bottom of this view you can save time if you want to activate all of the above fields.



☑ Select all query result fields

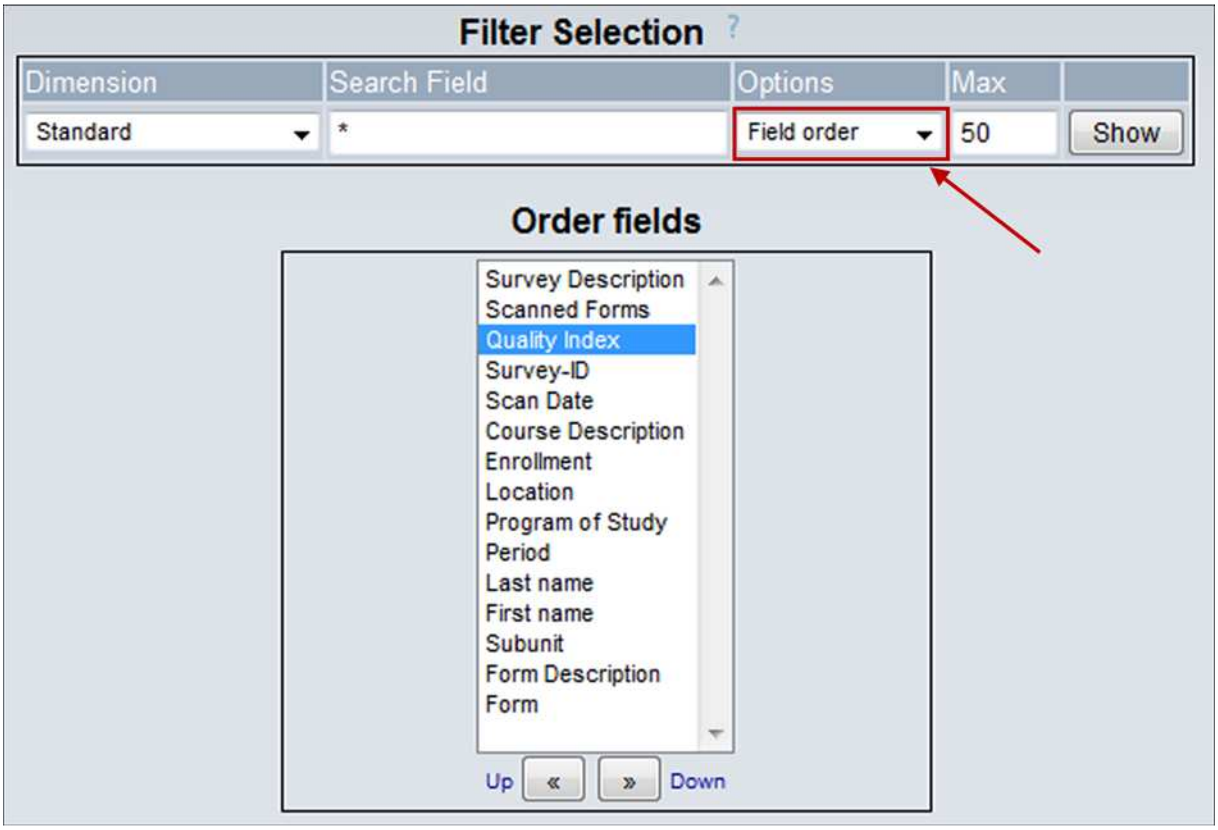
☐ Select all search fields

(Attention, this might cause long query-time.)

Figure 464: QM Views: Select all Query Result Fields

Defining the Sequence of the Fields

After you have selected the fields you can change their sequence by using the option “Sequence fields”. Highlight, as shown in the figure, a field name and then click on [<<] “up” or on [>>] “down”.



Filter Selection

Dimension	Search Field	Options	Max	
Standard	*	Field order	50	Show

Order fields

- Survey Description
- Scanned Forms
- Quality Index
- Survey-ID
- Scan Date
- Course Description
- Enrollment
- Location
- Program of Study
- Period
- Last name
- First name
- Subunit
- Form Description
- Form

Figure 465: QM Views: Order Fields

Saving Your Search Settings

Now you can save your current search setting. Activate the option “Save search”. Enter a name. By highlighting “Set as default”, the current search setting will be displayed every time you login. Finally click on [Save Search].

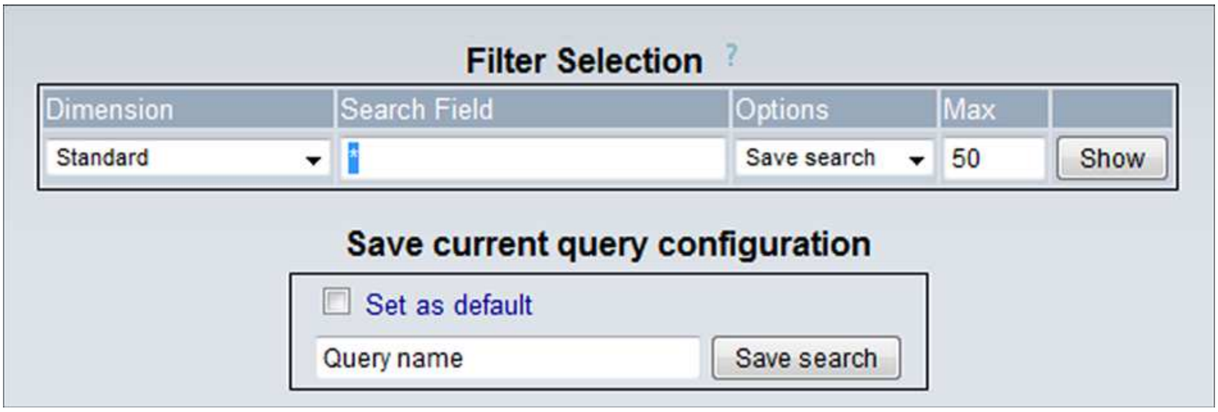

Filter Selection
?
Dimension
Search Field
Options
Max
Standard
*
Save search
50
Show
Save current query configuration
☐ Set as default
Query name
Save search

Figure 466: QM Views: Save your Search Settings

Deleting Your Search Settings

Using the option “Delete search” brings you to a selection list in which you can select the search settings to be deleted. Then click on [Delete].

You can only delete settings you have defined yourself.

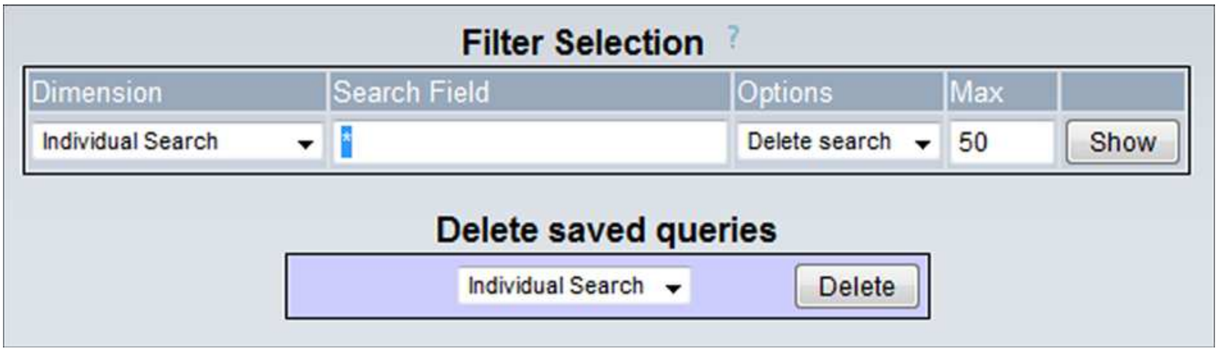
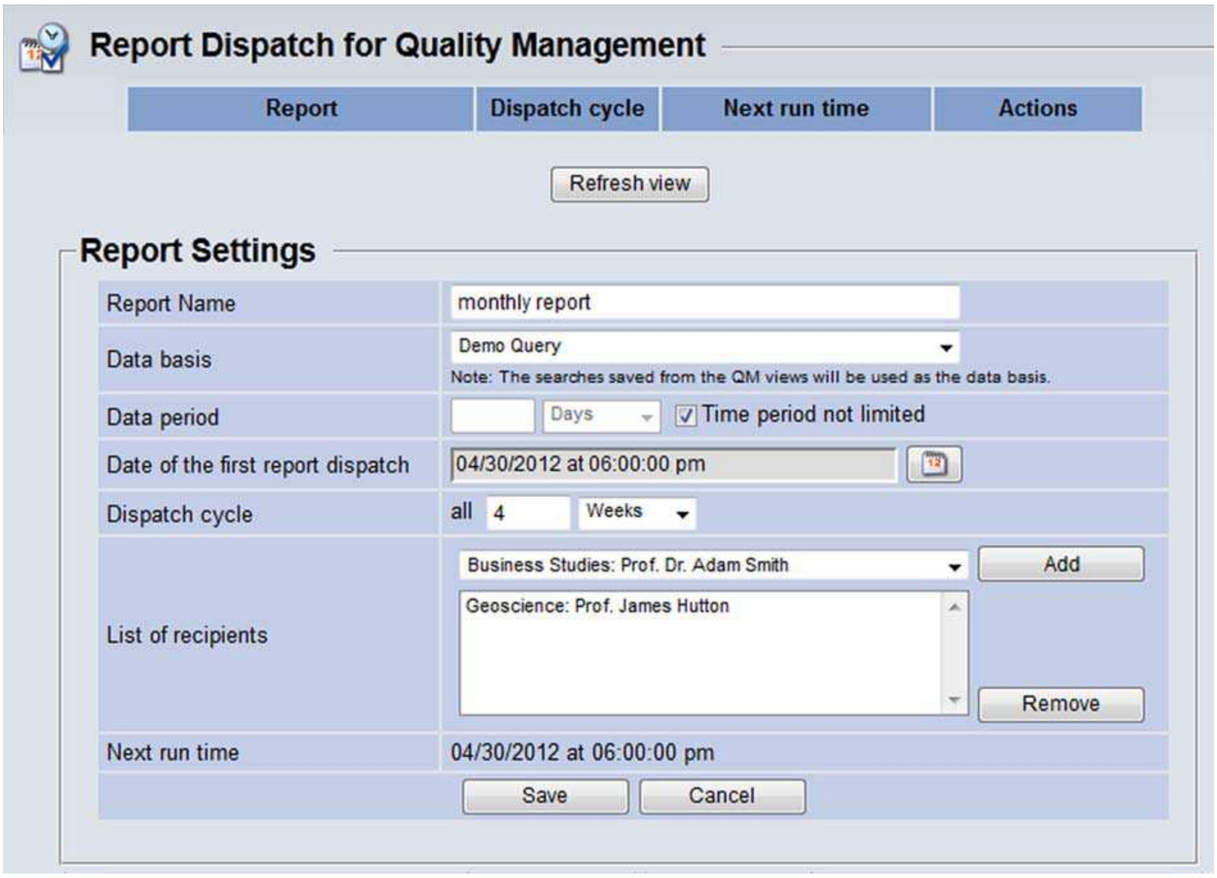

Filter Selection
?
Dimension
Search Field
Options
Max
Individual Search
*
Delete search
50
Show
Delete saved queries
Individual Search
Delete

Figure 467: QM Views: Delete your Search Settings

6.2.7. Report Dispatch for Quality Management

On the basis of the quality guidelines a report can be sent to selected recipients in regular cycles, which present the results of the EvaSys Quality Management in a matrix. Dispatch cycle, period and recipient can be flexibly defined.

To set up the report dispatch, open the menu “Subunits/QM Report Dispatch”. This opens an input screen where you can store the framework data of the first report dispatch.



Report Dispatch for Quality Management

Report	Dispatch cycle	Next run time	Actions

Report Settings

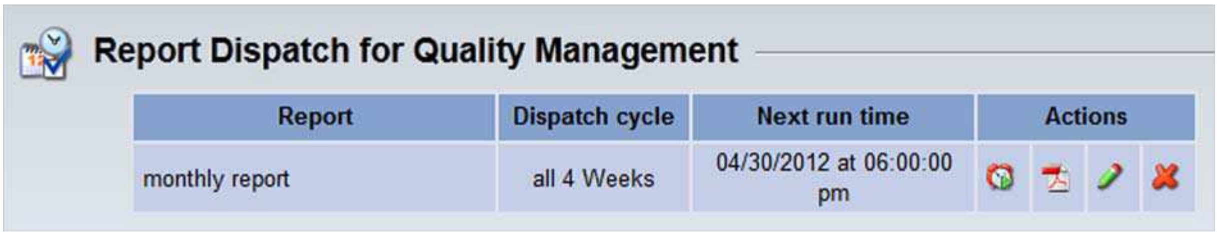
Report Name	monthly report
Data basis	Demo Query Note: The searches saved from the QM views will be used as the data basis.
Data period	Days ☑ Time period not limited
Date of the first report dispatch	04/30/2012 at 06:00:00 pm
Dispatch cycle	all 4 Weeks
List of recipients	Business Studies: Prof. Dr. Adam Smith Geoscience: Prof. James Hutton
Next run time	04/30/2012 at 06:00:00 pm

Figure 468: QM Report Dispatch: Set Up

First enter the name of the report and then select the data on which the report should be based. Here all defined searches saved in the QM Views are available to you, so that reports can be generated while filtering a limited number of surveys.

Optionally, the data period can be restricted, i.e. a period can be defined from which the presented data should originate. In this way, for example, for weekly reports only the relevant events of the past week are presented in the report. If a period is not specified, all data from the database are used.

Furthermore, the date for the first report dispatch and the dispatch cycle are defined as well as the report recipient being defined from a list of users in the system with the account type professor or dean. By clicking on the [New] button, the report settings are saved and the report will be presented in the report list.

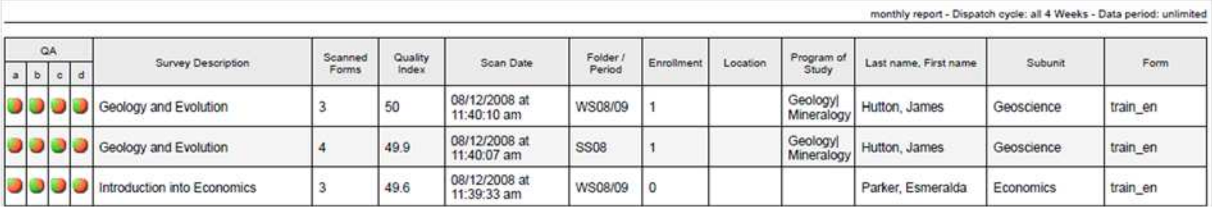


Report Dispatch for Quality Management

Report	Dispatch cycle	Next run time	Actions
monthly report	all 4 Weeks	04/30/2012 at 06:00:00 pm	

Figure 469: QM Report Dispatch: Report List

In the Actions section the report can, if necessary, be disabled via the clock symbol, by using the pencil symbol it can be edited or deleted by clicking on the cross. Via the PDF symbol, a preview of the report is available on the basis of current database.



monthly report - Dispatch cycle: all 4 Weeks - Data period: unlimited

QA				Survey Description	Scanned Forms	Quality Index	Scan Date	Folder / Period	Enrollment	Location	Program of Study	Last name, First name	Subunit	Form
a	b	c	d											
●	●	●	●	Geology and Evolution	3	50	08/12/2008 at 11:40:10 am	WS08/09	1		Geology| Mineralogy	Hutton, James	Geoscience	train_en
●	●	●	●	Geology and Evolution	4	49.9	08/12/2008 at 11:40:07 am	SS08	1		Geology| Mineralogy	Hutton, James	Geoscience	train_en
●	●	●	●	Introduction into Economics	3	49.6	08/12/2008 at 11:39:33 am	WS08/09	0			Parker, Esmeralda	Economics	train_en

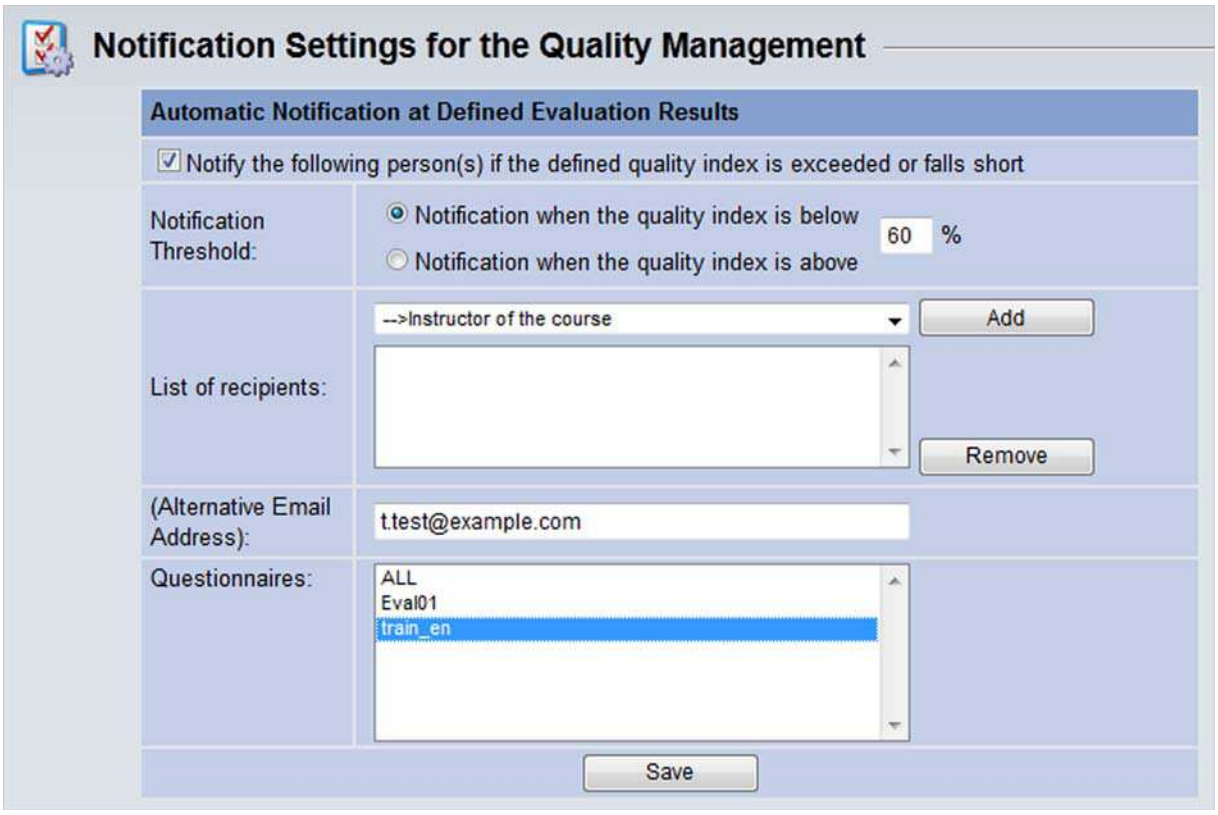
Figure 470: QM Report: Report Preview

Any number of reports can be defined for other recipients if required. The reports are delivered to the recipients at the times specified via email. The email text can be edited via the text template to “E-MAIL Quality Management Report”. To edit text documents, see chapter D 2.1. "Text Templates".

6.2.8. Automatic Notification for deviant Quality Index

Aided by the automatic notification feature, one or more persons can be notified when the evaluation result of a survey is above or below a defined quality threshold. In this way, on completion of the survey, any necessary measures can be promptly initiated.

The notification settings are made by the administrator or subunit administrator using the menu “Subunits/QM Notification”. Should the subunit administrator be unable to make any settings, he can be deprived of this right in the configuration (under “System Settings/EvaSys Settings/Functions/Subunit Administrator: Notification on Defined Evaluation Results”).



Notification Settings for the Quality Management

Automatic Notification at Defined Evaluation Results

☑ Notify the following person(s) if the defined quality index is exceeded or falls short

Notification Threshold: ● Notification when the quality index is below ○ Notification when the quality index is above 60 %

List of recipients: -->Instructor of the course

(Alternative Email Address): t.test@example.com

Questionnaires: ALL, Eval01, train_en

Figure 471: QM Notification: Notification Settings

Activate the option “Notify the following person(s) if the defined quality index is exceeded or falls short” to activate the notification function. Then, in the “Notification Threshold” set the percentage of the quality index by which when above or below, a notification will be sent. In the area “List of Recipients” you can define which person or persons are to receive the notification. In addition to the instructor of the course and the dean of the subunit, the administrator and all users in the system of type instructor, dean or subunit administrator can be selected. Additionally or alternatively, an external email address can be stored. At the bottom of the window it can be determined whether the notification should be take place for all questionnaires with quality guidelines, or only for specific ones, which can be selected by CTRL + click. The settings are saved by clicking on the [Save] button.

As soon as the relevant questionnaires of paper surveys are scanned in or online surveys are closed and the results exceed or fall below the defined threshold, a notification is sent.

The text of the notification email should first be adapted by the administrator or the subunit administrator in the text templates (either globally or for the relevant questionnaire). The relevant text template “E-MAIL: Notification at defined evaluation results” already contains default placeholders which are dynamically generated by the attained quality index for the course as well as the defined threshold. Furthermore, with the help of a placeholder a link is inserted leading to the QM views of the relevant survey:

Dear Sir or Madam,

The evaluation of the course “[SURVEY]” resulted in a total quality grade of [SURVEY_QUALITYINDEX]%. As such, the defined quality threshold of [DEFINED_SLA]% was [EXCEEDED_OR_FALLEN_BELOW].

For detailed information please follow the link: [LINK_TO_QM_DETAILS]

Your EvaSys Administrator

Note: This E-Mail was generated automatically.

After clicking on the link the email recipient must login with his EvaSys access data. He can only have an insight if his user account allows him the appropriate access. To edit the text templates see chapter D 2.1. "Text Templates".

7. Module Evaluation

The functionality “Module Evaluation” was developed to allow multiple separate surveys to be combined into a single questionnaire.

EvaSys generates a module questionnaire which contains multiple areas belonging to the individual courses in a module. After processing the module survey EvaSys generates a report for the module but also separate results for each module element. This allows separate reporting based on each part of the module survey.

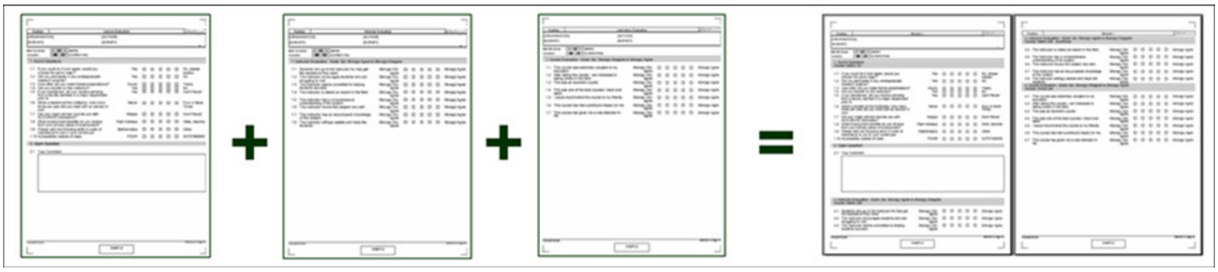


Figure 472: Build up a Module Questionnaire

7.1. Setting up a survey with Module Evaluation

To set up a survey with module evaluation, several steps have to be taken:

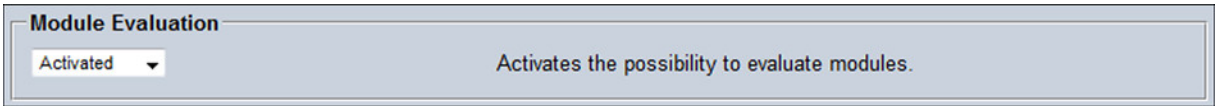
- By default, the possibility to conduct module surveys is already activated in the system; if the standard settings have been changed, activate the general possibility to conduct module surveys in the EvaSys Settings (Menu “System Settings/ EvaSys Settings/Central Evaluation/Module”)
- Create questionnaires you want to use to evaluate your single module courses

- Link the module questionnaires to course types (Menu “System Settings/ Course Types”); in case of module surveys, the course type has the function to assign questionnaires to courses
- Create users (user type “Module”)
- Create courses for the modules
  - Select the course type the module questionnaire is linked to
  - Enter a course-ID (which defines the order of the courses to be surveyed on the overall questionnaire)
  - Define a further report recipient (who equals the instructor of the course and will receive the report)
- Generate survey (switch to module evaluation)
- After conducting the survey open the general PDF-Report to initiate the creation of the PDF-Reports for the single module courses.

In the following chapters, the conduction of the single steps will be discussed in detail.

7.2. Activating module surveys

The module evaluation is activated by default. You can change the activation of the module evaluation by logging in as administrator and opening the menu “System Settings/EvaSys Settings”. Now select the area “Central Evaluation” and scroll down. You will find the option “Module Evaluation”. Activate or deactivate the “Module Evaluation” and save the changes by clicking [Save] at the bottom of the page.



Module Evaluation

Activated

Activates the possibility to evaluate modules.

Figure 473: Activate Module Evaluation

7.3. Creating Module Questionnaires and Linking Them to Course Types

Module questionnaires consist of multiple components which are used to display general questions about the module itself or special questions related to single courses or course elements in the module.

For each of the building bricks of a module survey individual questionnaires need to be created using the VividForms Editor, e.g. one for general questions, one for lectures, one for seminars etc. (for further information on creating a questionnaire with the VividForms Editor see chapter C of this manual).

Remember to give the forms short relevant names so that they can later be separated.

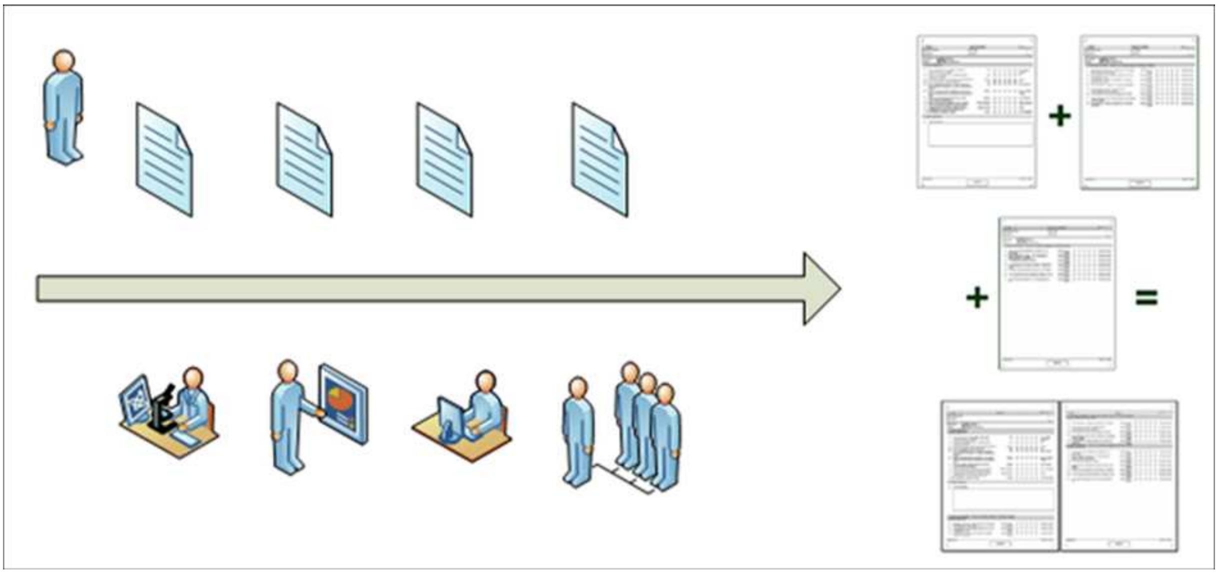
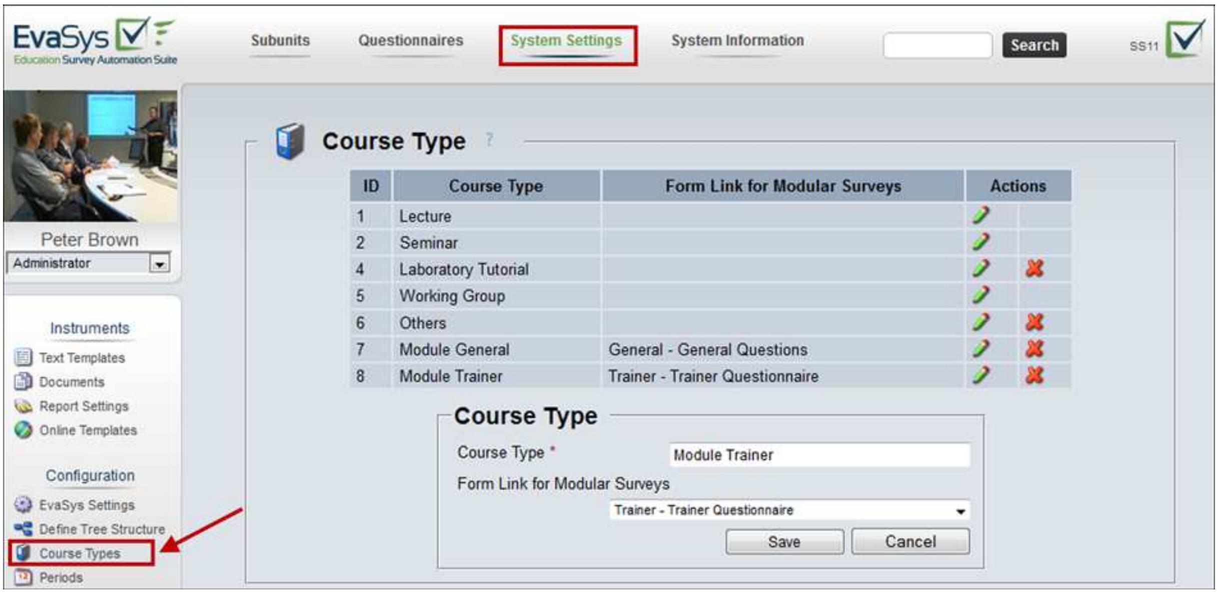


Figure 474: Create Module Questionnaires

Now the single questionnaires have to be linked to course types. In the context of module surveys, the course type has the function to define, which of your questionnaires EvaSys will use for the evaluation of a course. If, for example, a questionnaire is linked to the course type “lecture”, this questionnaire will be used for the evaluation of all courses of the type “lecture” on the combined module questionnaire.

Thus, in the context of module surveys the category “course type” does not have to equal the ‘classic’ course type in common evaluation. In some cases it can be advisable, to create own course types for the evaluation of your modules. If, for example, you want to use a ‘general questionnaire’ for the evaluation of the module in total and a ‘trainer questionnaire’ to evaluate the single courses of your module, you can create corresponding coursetypes such as ‘module general’ and ‘module trainer’.


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Course Type
Save
Cancel

ID	Course Type	Form Link for Modular Surveys	Actions	
1	Lecture		✎	
2	Seminar		✎	
4	Laboratory Tutorial		✎	✗
5	Working Group		✎	
6	Others		✎	✗
7	Module General	General - General Questions	✎	✗
8	Module Trainer	Trainer - Trainer Questionnaire	✎	✗

Course Type * Module Trainer
Form Link for Modular Surveys Trainer - Trainer Questionnaire

Figure 475: Form link for modular surveys

To link questionnaires to course types, open the dialog “System Settings/Course Types”. To create new course types, for example a course type “Module General” for the evaluation of the module in total, enter a new name in the area “Course Type” and select the corresponding questionnaire from the drop-down list underneath (“Form Link for Modular Surveys”). Click on [New] to add the new course type to the list.

To link a questionnaire to an existing course type, click on the green pencil icon. You will find the selected course type in the area “Course Type” at the bottom of the list. Select the corresponding module questionnaire for the selected course type and click on [Save] to apply the selection.

7.4. Characteristics of the Aggregated Questionnaire

When generating a survey, the questionnaires for the different module parts are automatically merged to a complete module questionnaire.

The complete questionnaire adheres to the following rules:

- The single parts are put together in ascending order with reference to the course-ID
- If a module part has no course-ID, it will be the first part of the module questionnaire
- If more than one module parts have no course-ID, the creation dates of the module parts define their order on the module questionnaire

The first questionnaire used for the module questionnaire defines:

- Font type
- Default font size
- Line height; Exception: If the font size of a question group of one of the questionnaire parts is bigger than the the line height of the first questionnaire, the line height will be accordingly adapted for the whole questionnaire.
- Layout (traditional or optimized)
- Position of the answer options of single choice questions
- Color scheme
- Display of question numbering

Placeholders:

- Entries for the placeholder AUTHOR and COURSE are deleted
- The standard placeholders are reactivated

If the following characterstics apply to all questionnaire parts, they also apply to the questionnaire in total:

- Enable temporary save

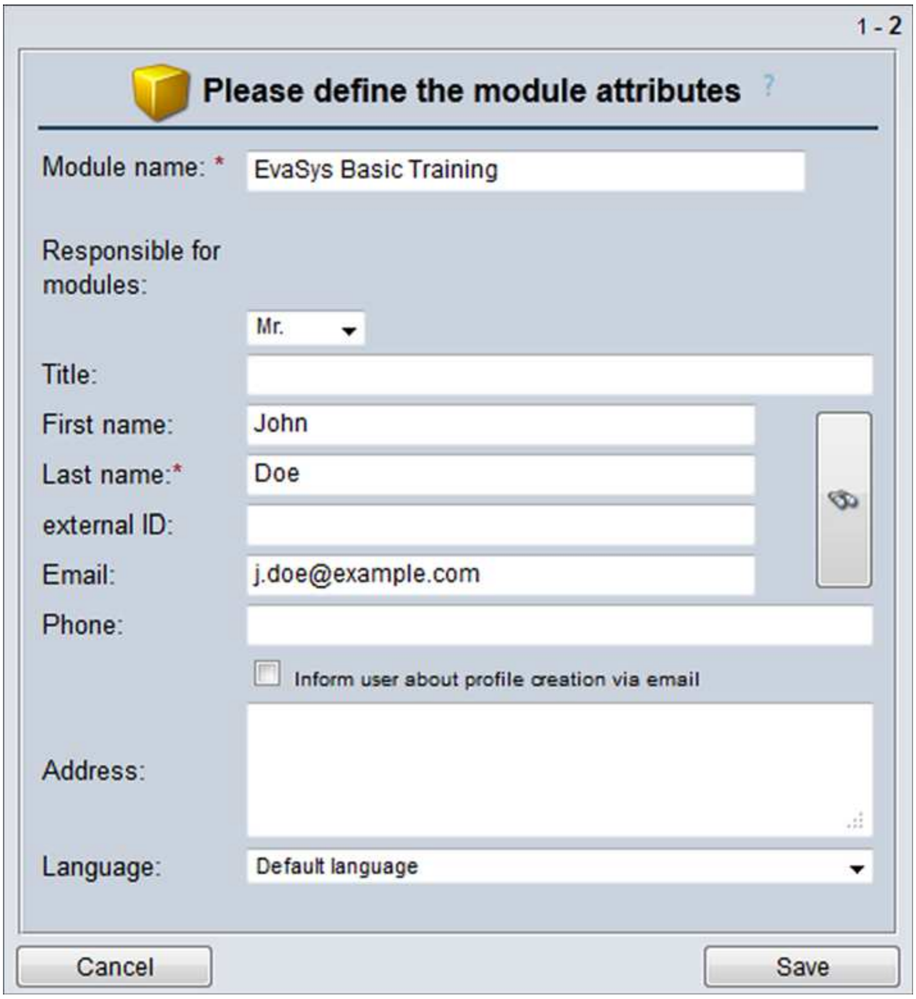
- Evaluation for participants
  - Allow result access
  - Display answers to open questions
- Show print option
- Show certificate of participation

Further elements which are included in the complete module questionnaire:

- All PDF reports allowed for all questionnaires involved
- All languages defined for all questionnaires
- Filter questions are taken over from all questionnaires
- Cross tabulations, Required questions and PDF report plugins are taken over
- Online Design: If the display mode is set to “per chapter” for one of the questionnaires, then this view is taken over for the whole survey
- Vallidation (plausibility checks) is taken over
- Norms and Quality Guidelines are taken over from the corresponding questionnaire

7.5. Creating a Module Account

To create a module, click the button [Create New Module] located underneath the user list in the subunit. An input area will open which allows you to enter the data for the module.



Please define the module attributes

Module name: * EvaSys Basic Training

Responsible for modules:

Mr.

Title:

First name: John

Last name:* Doe

external ID:

Email: j.doe@example.com

Phone:

☐ Inform user about profile creation via email

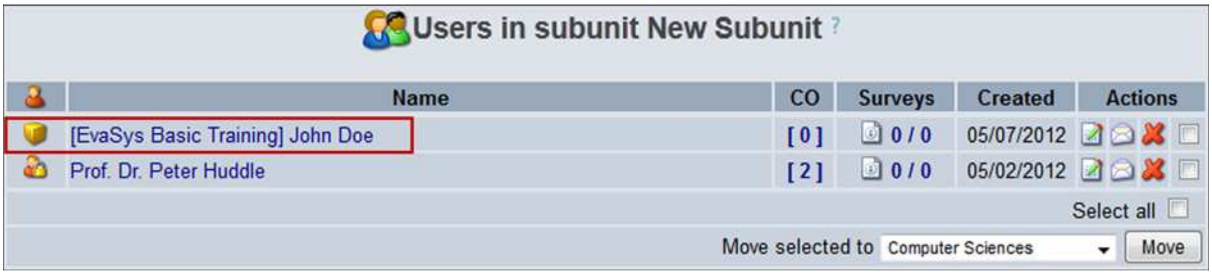
Address:

Language: Default language

Figure 476: Creating a Module

Enter the name of the module in the upper area, and the data of the user responsible for the module in the lower area. This person will receive the report for the entire module.

Clicking [Save] will enter the module account into the user list. The name of the module is displayed in square brackets, followed by the name of the user responsible for the module.


Users in subunit New Subunit

	Name	CO	Surveys	Created	Actions
	[EvaSys Basic Training] John Doe	[0]	0 / 0	05/07/2012	☐
	Prof. Dr. Peter Huddle	[2]	0 / 0	05/02/2012	☐

Select all ☐

Move selected to Computer Sciences

Figure 477: Module in the User List

7.6. Creating module courses

After the module account has been created, courses can be added to the module. To access the course list, click on the number in angular brackets in the column "CO" (Course). By clicking the button [Create new course] you can add a new course to your module.

Apart from entering the name of the course, at least three further entries have to be made which are essential for a successful conduction of a module survey:

- Enter an ID for the course in the field "Course-ID". This ID defines, in which order the questions for the single courses will be displayed on the module questionnaire. The course with the lowest ID (for example "01") will be evaluated first, then the other courses will follow in ascending order ("02", "03" etc.).

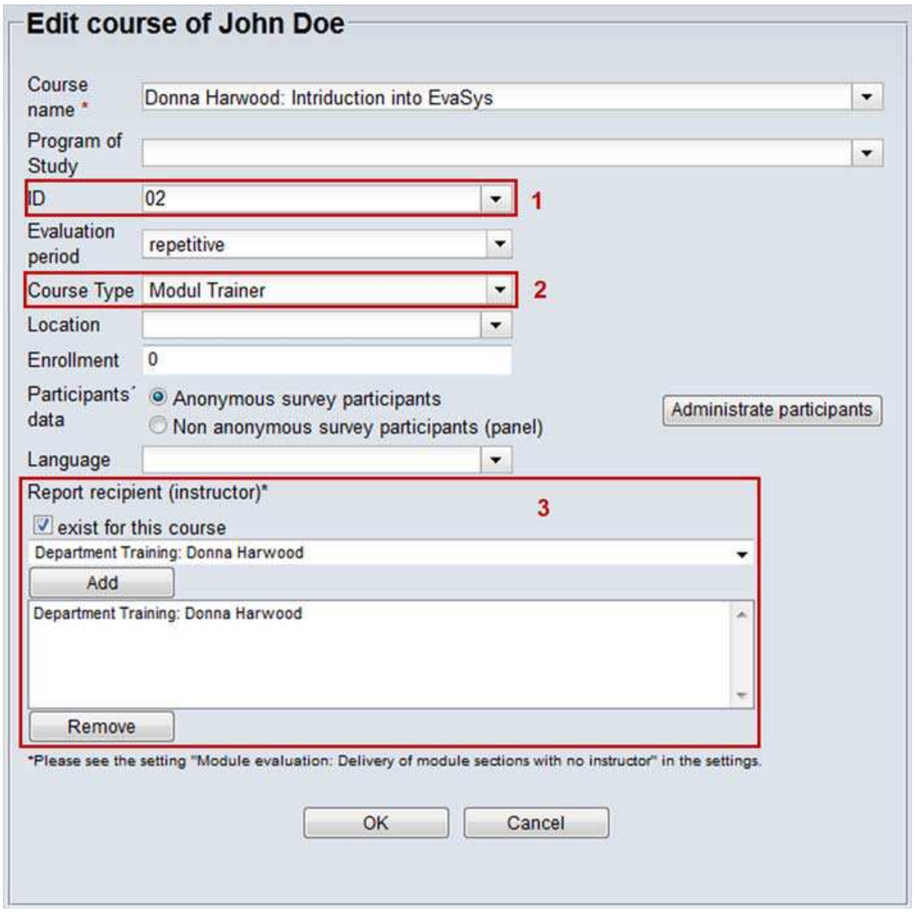
Please note:
Should you forget to enter course-IDs, the questions for the single courses will be displayed in the order in which the single courses have been created. If you, for example, forget to enter the ID for only one course, this course will be evaluated first on the overall questionnaire.

- Select the course type which is linked to the questionnaire you want to use for surveying the course.

Please note:
If, by accident, you forget to select a course type which is linked to a module questionnaire, the whole module survey cannot be conducted!

- With module courses, the field "Further report recipients" serves to define the instructor who has held the course. The person you add in this field will receive the report for this single course.

Please note:
As further report recipients you can only select persons, who already have a regular instructor/dean account in the system. If the intended report recipient does not exist as a user in EvaSys, you will have to create an instructor account for him so as to be able to choose him from the list.



Edit course of John Doe

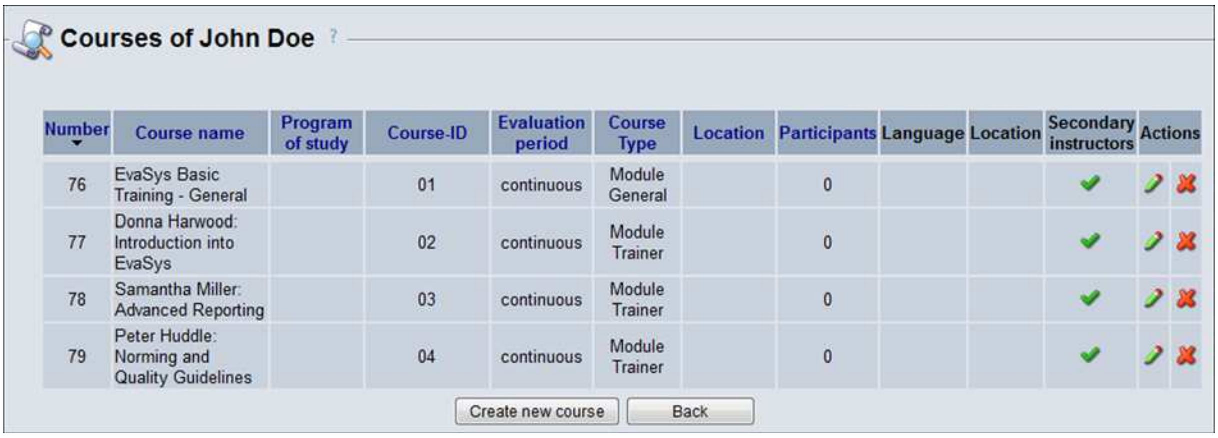
Course name *: Donna Harwood: Intriduction into EvaSys
Program of Study:
ID: 02 — 1
Evaluation period: repetitive
Course Type: Modul Trainer — 2
Location:
Enrollment: 0
Participants´ data: ● Anonymous survey participants ○ Non anonymous survey participants (panel)
Language:

Report recipient (instructor)* — 3
☑ exist for this course
Department Training: Donna Harwood
Department Training: Donna Harwood

*Please see the setting "Module evaluation: Delivery of module sections with no instructor" in the settings.

Figure 478: Module Evaluation: Entering Course Data

In the following example you can see the course list of a sample module “EvaSys Basics”. In this case, a “dummy” course called “General questions” for means of surveying general aspects concerning the whole module has been created as well as three regular courses. The “general course” is surveyed with a general questionnaire (course type “Module - general”), the single courses are surveyed with a trainer questionnaire (course type “Module - trainer”). A secondary instructor is assigned to each course, who will later on receive the report on his part of the survey.



Courses of John Doe

Number	Course name	Program of study	Course-ID	Evaluation period	Course Type	Location	Participants	Language	Location	Secondary instructors	Actions
76	EvaSys Basic Training - General		01	continuous	Module General		0			✓	✎ ✗
77	Donna Harwood: Introduction into EvaSys		02	continuous	Module Trainer		0			✓	✎ ✗
78	Samantha Miller: Advanced Reporting		03	continuous	Module Trainer		0			✓	✎ ✗
79	Peter Huddle: Norming and Quality Guidelines		04	continuous	Module Trainer		0			✓	✎ ✗

Figure 479: Module courses in the course list

Please note:

The creation of a "dummy" course for questions concerning the whole module or general information on the participants allows you to survey these aspects only once on the questionnaire and not for every single course separately, which is one of the great benefits of module evaluation. But please be aware, that the possibility to create a subgroup analysis based on information of the general part of the questionnaire is only available for the whole questionnaire/survey. If you want to create a subgroup analysis for the single courses separately, you will have to create a subgroup analysis for the whole questionnaire and exclude questions concerning all courses except the one you want to create the analysis for.

7.7. Importing Modules and Courses

To prevent you from having to create all modules and courses manually, there is an option available for importing them into the system. You can use either XML files or CSV files to do so.

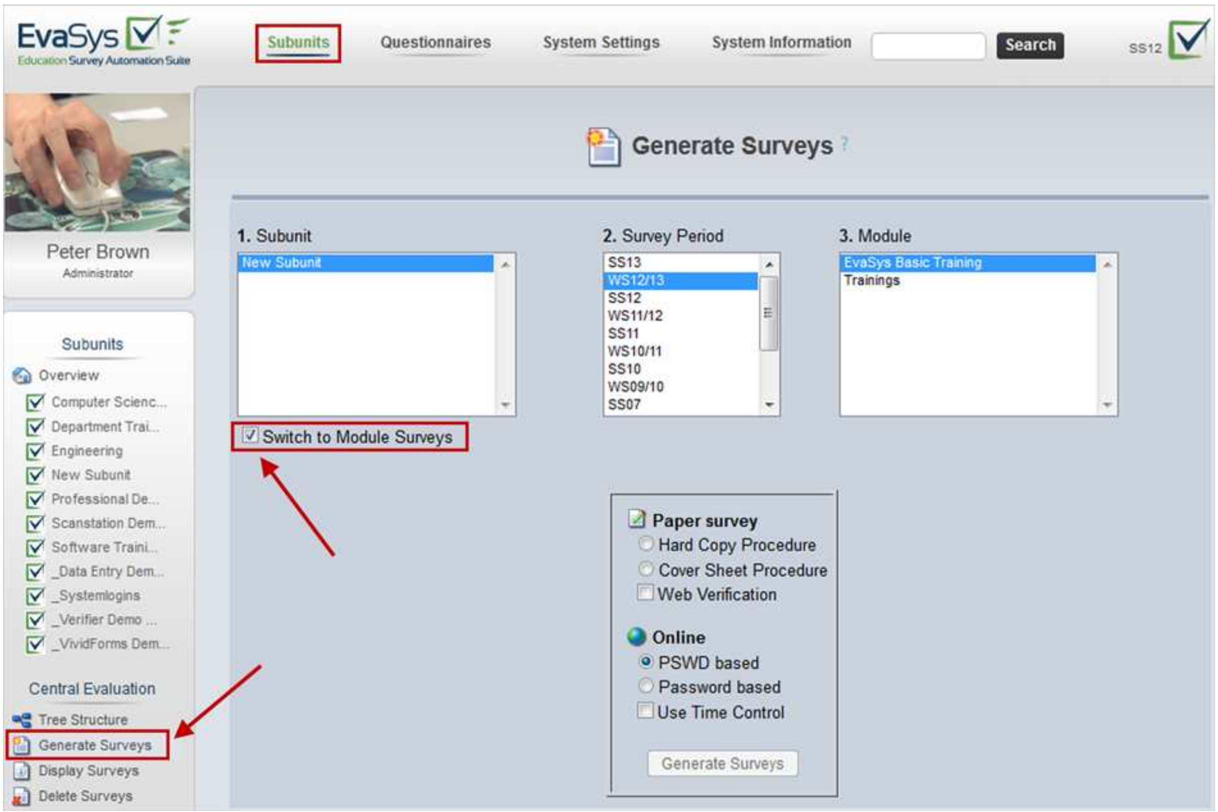
You can find out more about XML imports in our "XML Import Manual." For more information on CSV imports, seechapter B 2.3.1. "CSV-Import within Subunits"

7.8. Generating a Module Surveys

The generation of module surveys is done using the function "Subunits/Generate Surveys". Select the checkbox "Switch to Module Surveys" to show selections for modules. You may generate either paper or online surveys.

Please note:

In contrast to common evaluation, you do not select the single courses you want to evaluate, but the module in total. EvaSys will automatically create a survey which comprises all courses of your module.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS12
Peter Brown
Administrator
Subunits
Overview
Computer Scienc...
Department Trai...
Engineering
New Subunit
Professional De...
Scanstation Dem...
Software Traini...
_Data Entry Dem...
_Systemlogins
_Verifier Demo ...
_VividForms Dem...
Central Evaluation
Tree Structure
Generate Surveys
Display Surveys
Delete Surveys
Generate Surveys
Generate Surveys

1. Subunit: New Subunit

☑ Switch to Module Surveys

2. Survey Period: SS13, **WS12/13**, SS12, WS11/12, SS11, WS10/11, SS10, WS09/10, SS07

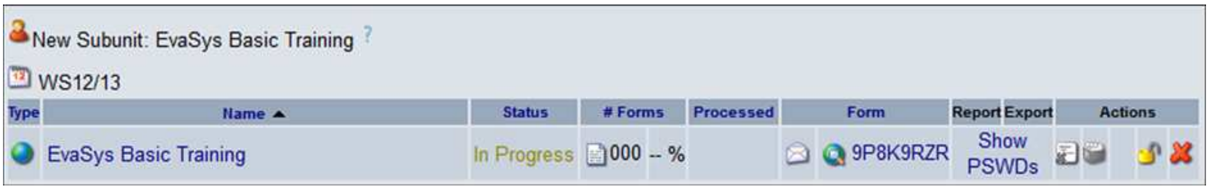
3. Module: **EvaSys Basic Training**, Trainings

Paper survey
○ Hard Copy Procedure
○ Cover Sheet Procedure
☐ Web Verification

Online
● PSWD based
○ Password based
☐ Use Time Control

Figure 480: Generate Module Survey

The example shows an online survey. When the survey was generated, EvaSys combined all the sections of the module into a single questionnaire. The name of the questionnaire is random alphanumeric and eight characters long, in this example Z1ALSCN9.


New Subunit: EvaSys Basic Training

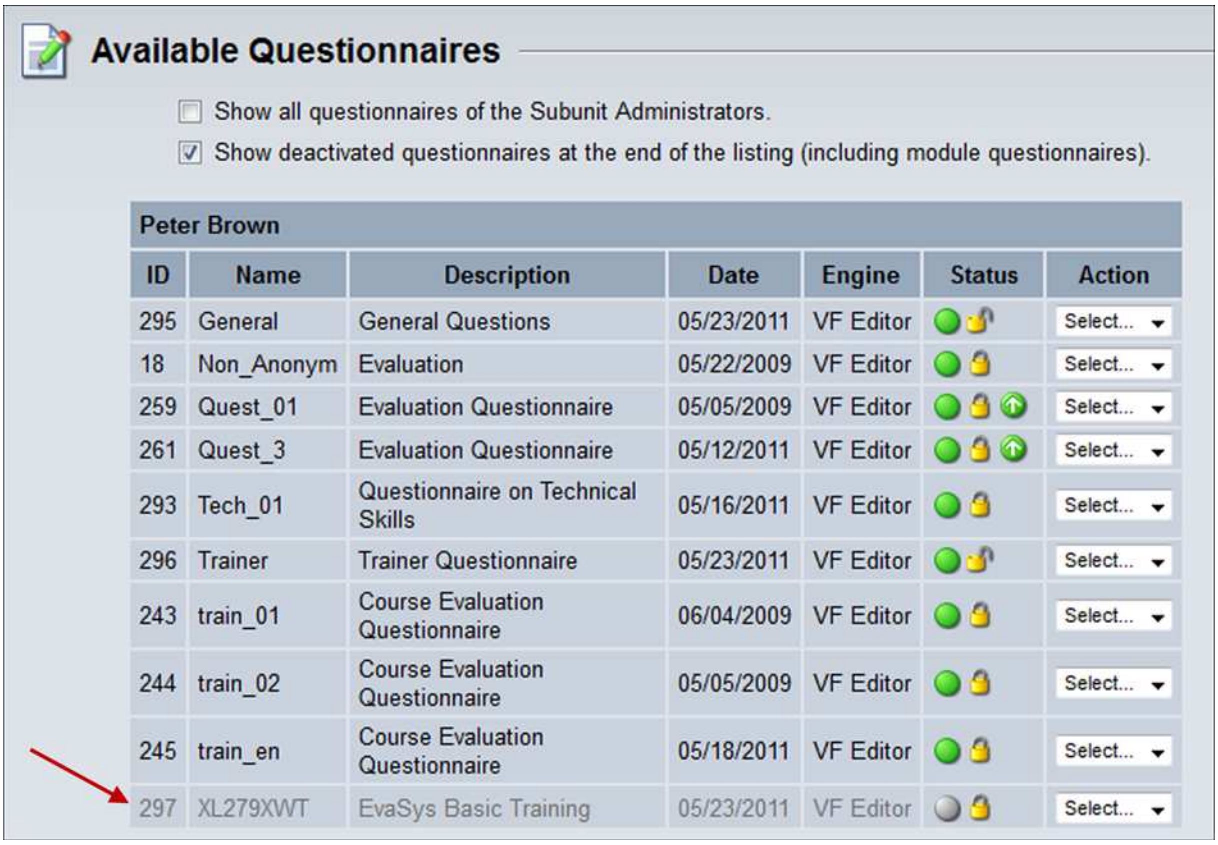
WS12/13

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
●	EvaSys Basic Training	In Progress	000	-- %	9P8K9RZR	Show PSWDs		

Figure 481: Module Survey in the List of Surveys

If you have generated a paperbased survey, please check the questionnaire by opening the PDF version before printing it. If the layout does not live up to your expectations, as, for example, the pagebreaks are located badly, delete the survey and edit the single questionnaires in the editor. After that, generate a new survey and check the results.

The newly generated module questionnaire can now also be displayed in the list of questionnaires in the menu “System Settings” when enabling the option “Show deactivated questionnaires at the end of the listing (including module questionnaires)”.



Available Questionnaires

☐ Show all questionnaires of the Subunit Administrators.

☑ Show deactivated questionnaires at the end of the listing (including module questionnaires).

Peter Brown

ID	Name	Description	Date	Engine	Status	Action
295	General	General Questions	05/23/2011	VF Editor	●	Select...
18	Non_Anonym	Evaluation	05/22/2009	VF Editor	●	Select...
259	Quest_01	Evaluation Questionnaire	05/05/2009	VF Editor	●	Select...
261	Quest_3	Evaluation Questionnaire	05/12/2011	VF Editor	●	Select...
293	Tech_01	Questionnaire on Technical Skills	05/16/2011	VF Editor	●	Select...
296	Trainer	Trainer Questionnaire	05/23/2011	VF Editor	●	Select...
243	train_01	Course Evaluation Questionnaire	06/04/2009	VF Editor	●	Select...
244	train_02	Course Evaluation Questionnaire	05/05/2009	VF Editor	●	Select...
245	train_en	Course Evaluation Questionnaire	05/18/2011	VF Editor	●	Select...
297	XL279XWT	EvaSys Basic Training	05/23/2011	VF Editor	○	Select...

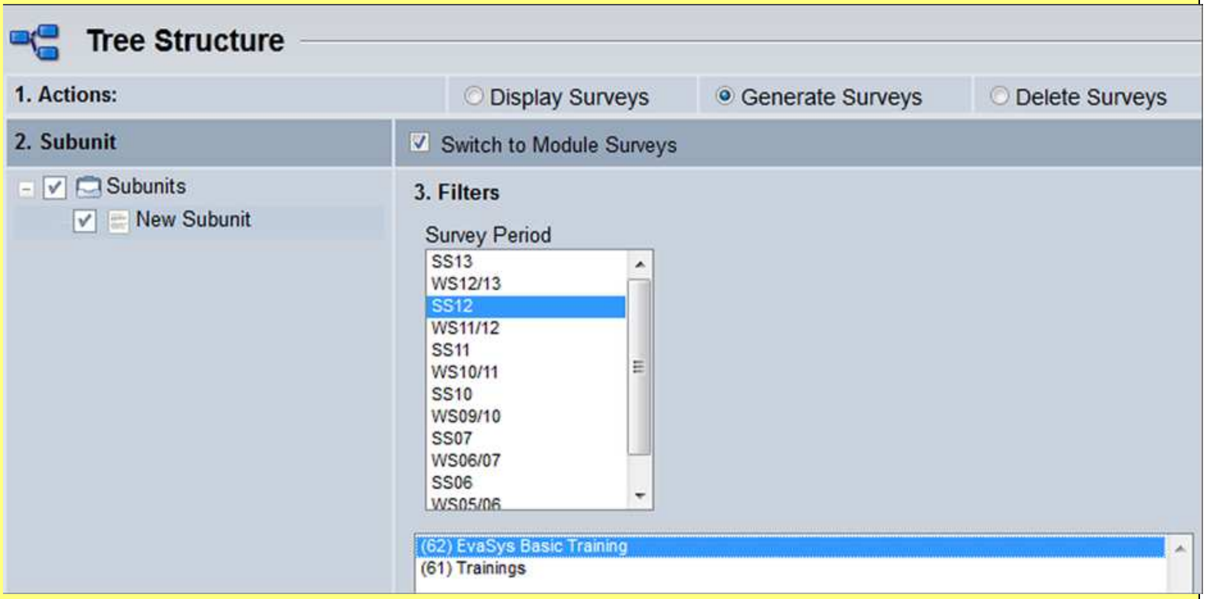
Figure 482: Display Module Questionnaires in the List of Questionnaires

By clicking on the name of the questionnaire you can access its details and define further settings for your survey (for example, change the online design, edit the text templates etc.).

After all settings have been done, the survey can be conducted just like any other paper or online survey in EvaSys (i.e. print or email questionnaires or PSWDs, scan forms etc.).

Hint:

You can also use the tree structure to create module surveys (see chapter B 3.6.2. „Generating Surveys“). In the tree structure, select the option “Generate Surveys” and then activate the option “Switch to Module Surveys.” Then select the subunit, period, and module. For more information on the tree structure, see chapter B 3.6. „Tree Structure“.



Tree Structure

1. Actions: ○ Display Surveys ● Generate Surveys ○ Delete Surveys

2. Subunit

☑ Switch to Module Surveys

☑ Subunits
☑ New Subunit

3. Filters

Survey Period

SS13
WS12/13
SS12
WS11/12
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06

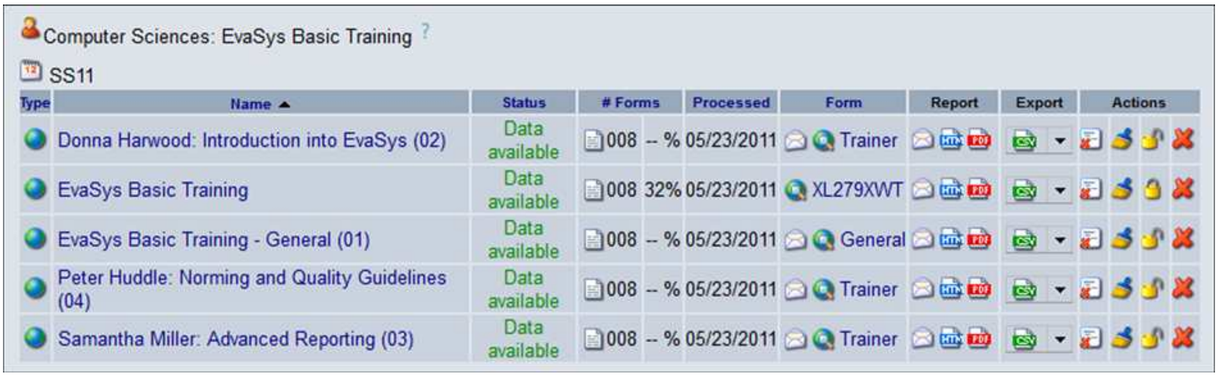
(62) EvaSys Basic Training
(61) Trainings

Figure 483: Module Evaluation: Creating Module Surveys using the Tree Structure

7.9. Instant feedback

As soon as the questionnaires have been scanned and analysed by the VividForms Reader resp. the online survey participants have taken part in the survey, EvaSys will automatically generate reports on both the module survey in whole and all its single components (= courses, which have been surveyed).

In the following figure you can see the report on a module survey and all of its components. The report for the whole module has the name of the module (in this case “EvaSys Basics”). It can also be recognized by the name of the module questionnaire in the column “Form” (in this case “XL279XWT”).



Computer Sciences: EvaSys Basic Training

SS11

Type	Name ▲	Status	# Forms	Processed	Form	Report	Export	Actions
	Donna Harwood: Introduction into EvaSys (02)	Data available	008	-- % 05/23/2011	Trainer	HTM PDF	CSV ▾	
	EvaSys Basic Training	Data available	008	32% 05/23/2011	XL279XWT	HTM PDF	CSV ▾	
	EvaSys Basic Training - General (01)	Data available	008	-- % 05/23/2011	General	HTM PDF	CSV ▾	
	Peter Huddle: Norming and Quality Guidelines (04)	Data available	008	-- % 05/23/2011	Trainer	HTM PDF	CSV ▾	
	Samantha Miller: Advanced Reporting (03)	Data available	008	-- % 05/23/2011	Trainer	HTM PDF	CSV ▾	

Figure 484: Reports on the Module Survey and all of its Components

Please note:

When you have conducted an online survey, the list will at first only show the report for the whole module survey. Only after opening the PDF report for the whole survey or closing (and, if necessary, re-opening) the survey, the reports for the single parts of the survey will be created.

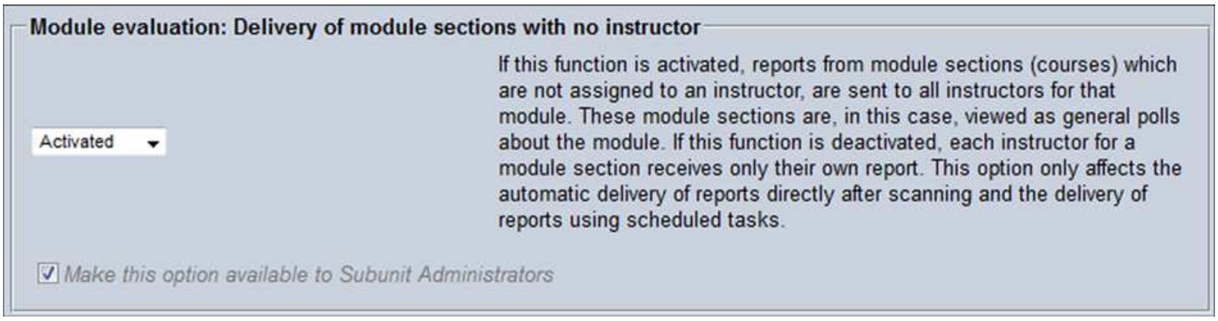
If the automatic report submission is activated, all recipients will receive a report by email. The person linked to the module account will receive the whole report, while those people linked as secondary instructors to single courses will receive their parts of the report only.

If there is a course which has no report recipient assigned to it, then the report will only be sent to the module coordinator when using the “Batch Events” or sendig the report directly from the survey list. When sending reports via “Process Defaults” oder via “Scheduled Tasks” there are to possibilities to deal with such courses:

- the report for this part of the module is only sent to the module coordinator
- the report for this part of the module is sent to the module coordinnator and to all report recipients defined for the different parts of the module.

The latter option can, for example, be useful when the course without a defined report recipient corresponds to a general survey part concerning the module in total and when the results are to be communicated to all persons involved.

The type of dispatch can be defined in the EvaSys Settings, menu “System Settings/ EvaSys Settings/Surveys/Module evaluation: Delivery of module sections with no instructor”. By default the option is activated, i.e. the report is sent to all recipients automatically.



Module evaluation: Delivery of module sections with no instructor

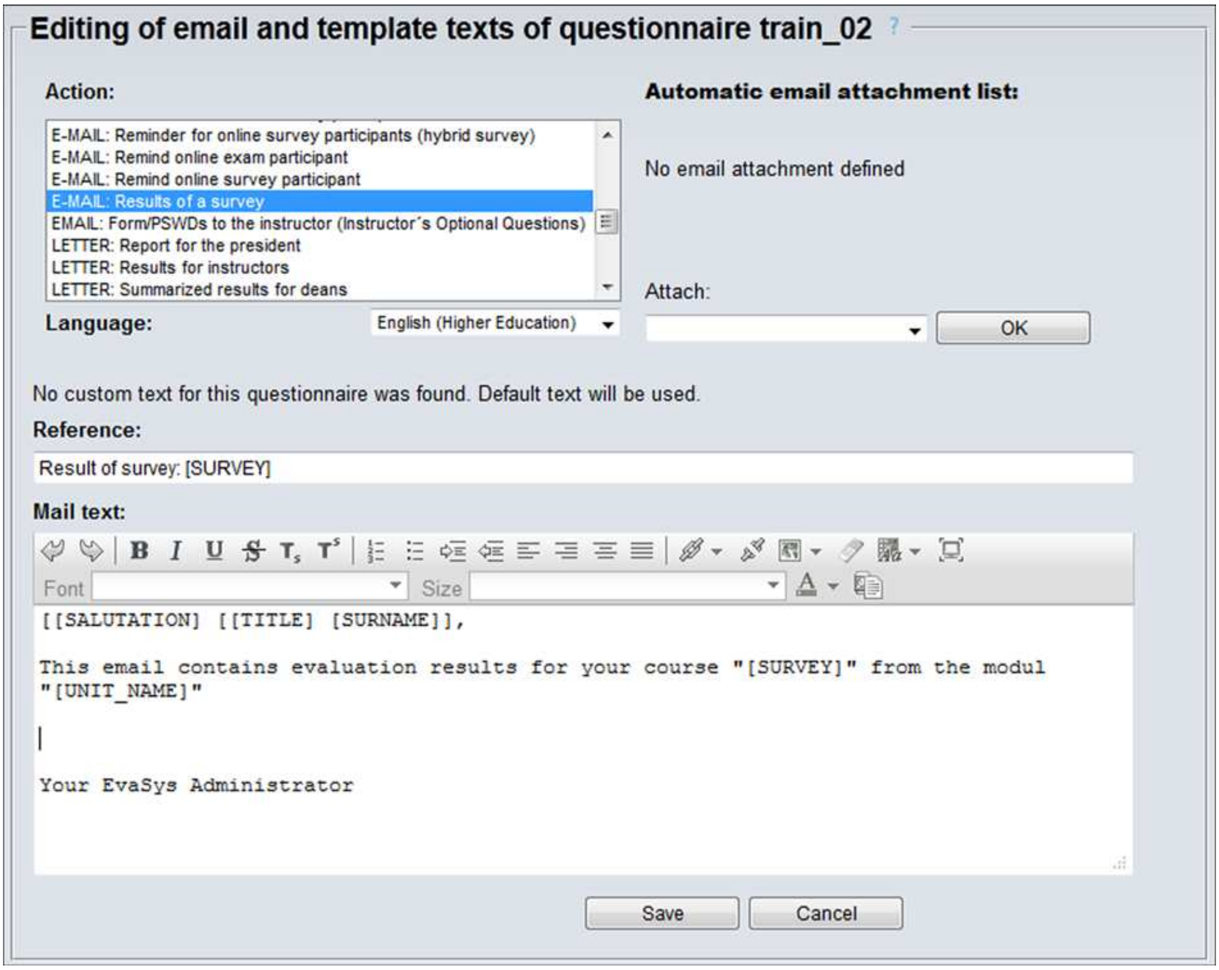
Activated

If this function is activated, reports from module sections (courses) which are not assigned to an instructor, are sent to all instructors for that module. These module sections are, in this case, viewed as general polls about the module. If this function is deactivated, each instructor for a module section receives only their own report. This option only affects the automatic delivery of reports directly after scanning and the delivery of reports using scheduled tasks.

☑ *Make this option available to Subunit Administrators*

Figure 485: Module Evaluation: Delivery of Module Sections without Instructor

Before sending reports, the email text templates of the individual module questionnaires should be adjusted. To do this, enter the details menu for the questionnaire and select the option “Text Templates” under the heading “Advanced Settings”. Then choose the template titled “Results of a survey” from the list of text templates. You can then use the lower window to edit the email text.



Editing of email and template texts of questionnaire train_02

Action:

- E-MAIL: Reminder for online survey participants (hybrid survey)
- E-MAIL: Remind online exam participant
- E-MAIL: Remind online survey participant
- E-MAIL: Results of a survey
- EMAIL: Form/PSWDs to the instructor (Instructor´s Optional Questions)
- LETTER: Report for the president
- LETTER: Results for instructors
- LETTER: Summarized results for deans

Language: English (Higher Education)

Automatic email attachment list:

No email attachment defined

Attach:

No custom text for this questionnaire was found. Default text will be used.

Reference:

Result of survey: [SURVEY]

Mail text:

[[SALUTATION] [[TITLE] [SURNAME]],

This email contains evaluation results for your course "[SURVEY]" from the modul "[UNIT_NAME]"

Your EvaSys Administrator

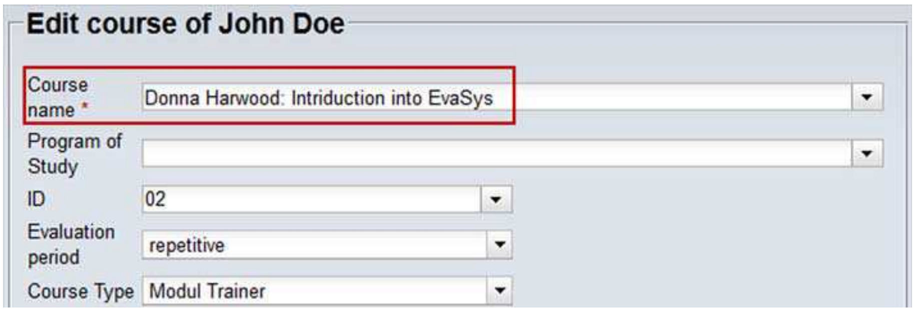
Figure 486: Module Evaluation: Editing Text Templates

The standard placeholder [SURVEY] is replaced with the name of the individual course for the module when the email is sent. If you also wish to include the name of the module in the email, you can use the placeholder [UNIT_NAME]. For more detailed information on editing text templates see chapter D 2.1. "Text Templates".

7.10. Further Settings

By default, on a module questionnaire the names of the module courses will be displayed below the title of the first question group of the corresponding questionnaire part, so as your survey participants know which course has to be evaluated. If you want the name of the corresponding instructor to be displayed as well, there are two possibilities:

- You can integrate the name of the instructor in the course name, for example “EvaSys Basic Training – Donna Harwood”. Thus the name of the instructor will be displeayed on the questionnaire as well as in the course list and survey list and on the PDF report. Please, remember to add the instructor to the list of “Further report recipients” as well, because otherwise the instructor will not receive his/her report when you choose to send them by email.



Edit course of John Doe

Course name * Donna Harwood: Intriduction into EvaSys

Program of Study

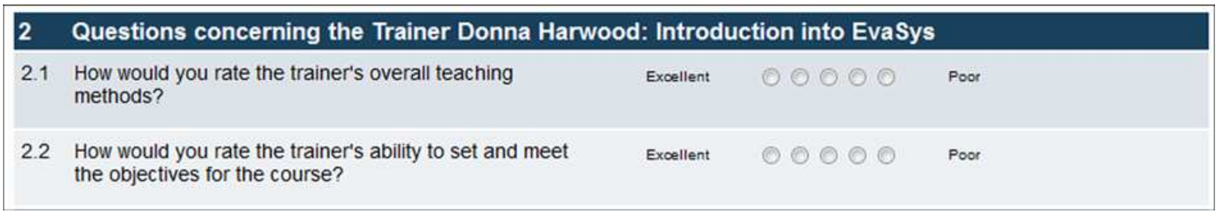
ID 02

Evaluation period repetitive

Course Type Modul Trainer

Figure 487: Module Evaluation: Enter the Name of the Instructor in the Field for the Course Name

In the following figure you can see the display of the name of instructors in an online survey as well as on a paperbased questionnaire:

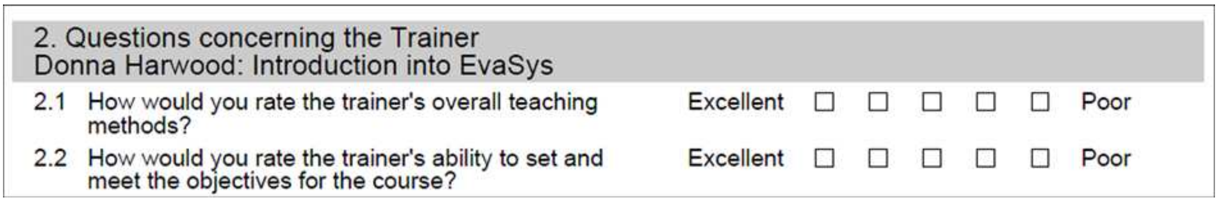


2 Questions concerning the Trainer Donna Harwood: Introduction into EvaSys

2.1 How would you rate the trainer's overall teaching methods? Excellent ○ ○ ○ ○ ○ Poor

2.2 How would you rate the trainer's ability to set and meet the objectives for the course? Excellent ○ ○ ○ ○ ○ Poor

Figure 488: Module Evaluation – Display the Instructor Name in an Online Survey



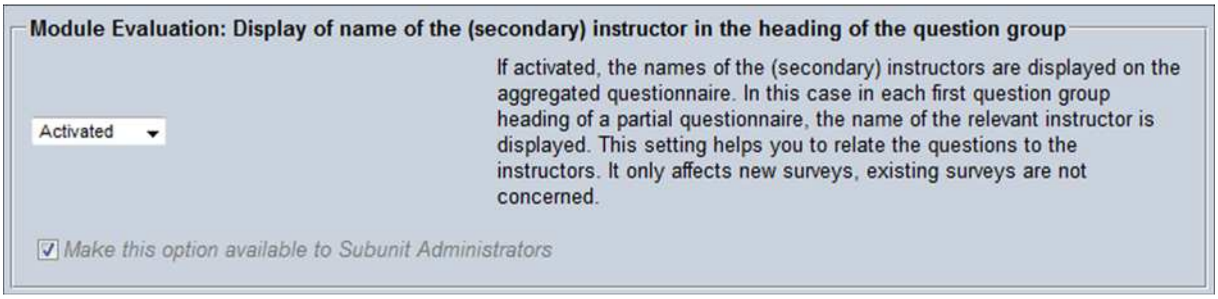
2. Questions concerning the Trainer
Donna Harwood: Introduction into EvaSys

2.1 How would you rate the trainer's overall teaching methods? Excellent ☐ ☐ ☐ ☐ ☐ Poor

2.2 How would you rate the trainer's ability to set and meet the objectives for the course? Excellent ☐ ☐ ☐ ☐ ☐ Poor

Figure 489: Module Evaluation: Display the Instructor Name in a Paperbased Survey

- You can activate the display of the instructor name on the questionnaire in the EvaSys Settings. To activate this option, open the menu “System Settings/EvaSys Settings” and choose the option “Survey” from the drop-down list. Scroll down to the option “Module Evaluation: Display of name of the (secondary) instructor in the heading of the question group” and activate it. Then save your settings by clicking the button [Save] at the bottom of the list. Thus the names will be displayed on the questionnaire as well as in the PDF report.



Module Evaluation: Display of name of the (secondary) instructor in the heading of the question group

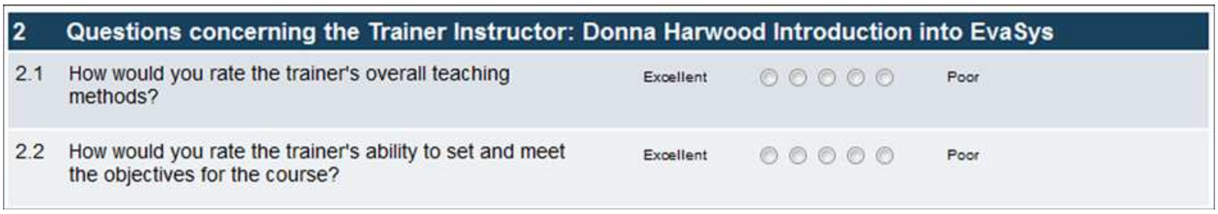
Activated

If activated, the names of the (secondary) instructors are displayed on the aggregated questionnaire. In this case in each first question group heading of a partial questionnaire, the name of the relevant instructor is displayed. This setting helps you to relate the questions to the instructors. It only affects new surveys, existing surveys are not concerned.

☑ *Make this option available to Subunit Administrators*

Figure 490: Activation of the Display of the Names of Instructors in the EvaSys Settings

The following figure shows the display of the instructor name in an online and in a paperbased survey with the option activated in the System Settings:

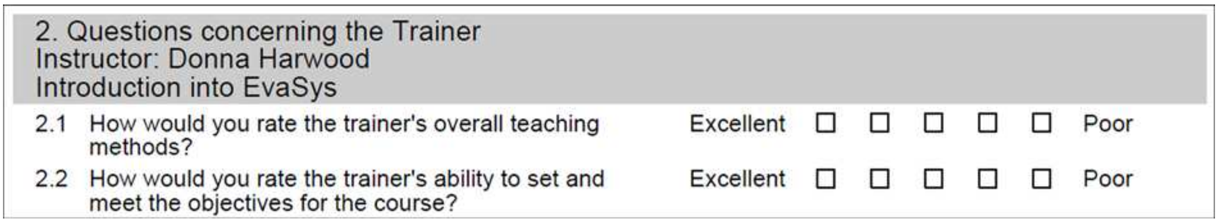


2 Questions concerning the Trainer Instructor: Donna Harwood Introduction into EvaSys

2.1 How would you rate the trainer's overall teaching methods? Excellent ○ ○ ○ ○ ○ Poor

2.2 How would you rate the trainer's ability to set and meet the objectives for the course? Excellent ○ ○ ○ ○ ○ Poor

Figure 491: Display of the Instructor Name in an Online Survey



2. Questions concerning the Trainer
Instructor: Donna Harwood
Introduction into EvaSys

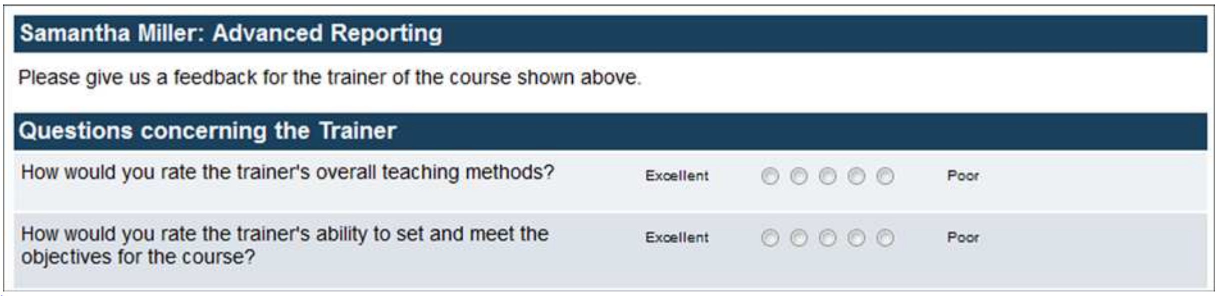
2.1 How would you rate the trainer's overall teaching methods? Excellent ☐ ☐ ☐ ☐ ☐ Poor

2.2 How would you rate the trainer's ability to set and meet the objectives for the course? Excellent ☐ ☐ ☐ ☐ ☐ Poor

Figure 492: Display of the Instructor Name in a Paperbased Survey

Please note:

If your questionnaire contains as first element an empty question group, i.e. a question group without a question group text (but only a space character), the name of the course as well as of the instructor will be inserted into this question group. This can improve the layout of your survey, but please be aware of the following: If this question group does not contain questions but only a line space or has no contents at all, it will not be displayed in the PDF report. In the PDF report you will then not be able to distinguish the different courses! To avoid this, you will at least have to add an image or a text box to this question group. In case of using a text box enable the display of text boxes in the PDF report (menu “Report Settings/Configuration/ Option: Show text boxes”).



Samantha Miller: Advanced Reporting

Please give us a feedback for the trainer of the course shown above.

Questions concerning the Trainer

How would you rate the trainer's overall teaching methods?	Excellent	○ ○ ○ ○ ○	Poor
How would you rate the trainer's ability to set and meet the objectives for the course?	Excellent	○ ○ ○ ○ ○	Poor

Figure 493: Display of the Course and Instructor Name in an "Empty" Question Group

8. Add-On: Das Prüfungsmodul EvaExam

EvaExam is a software package designed to create, conduct and evaluate multiple choice exams. These may be paperbased exams or conducted online.

EvaExam can be operated as a stand-alone system but also as a fee-based extension (add-on) to an existing EvaSys system. EvaExam, as an independent software, has a centralized administration interface that enables examiner accounts to be created and global system settings to be made, as well as separate examiner accounts, whereby examiners can independently create their multiple choice exams and evaluate them. If EvaExam is operated as an extension, the central administration capabilities of EvaSys are available via the interface of the EvaSys administrator account. The exams are created via active instructor accounts, whereby the instructors are explicitly granted the right to create exams.

In the following, the extensions of the EvaSys administrator interface when using an EvaExam extension are described. These include the central system settings for exams, creating instructor accounts with examiner functions and access to the exam list.

8.1. Central System Settings

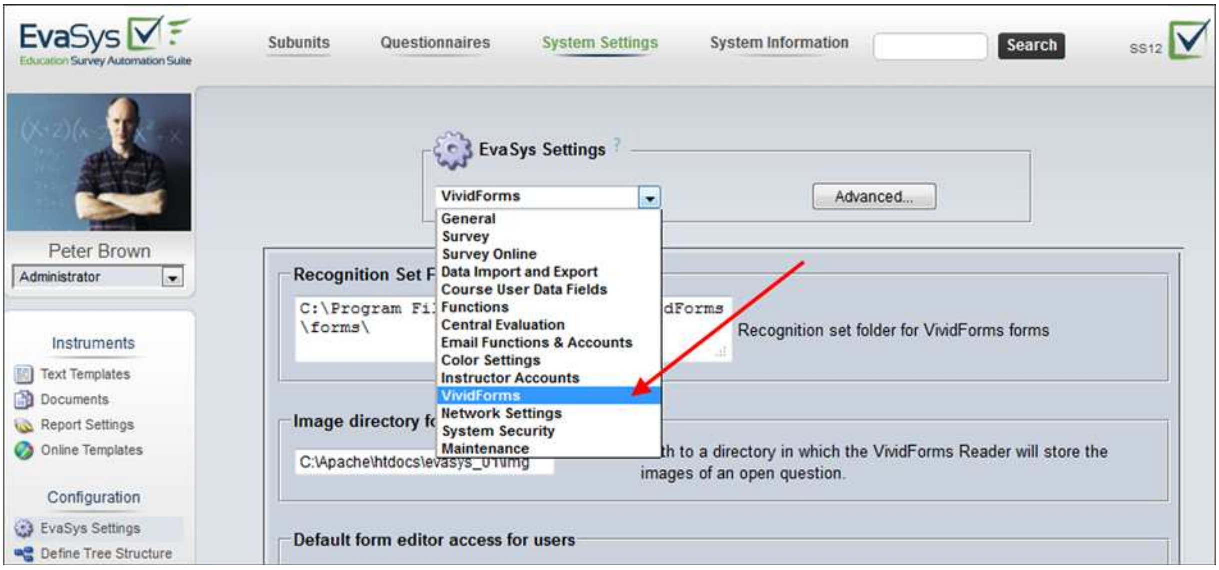
In the menu "System Settings/EvaSys Settings" the submenu "VividForms" has been complemented with additional entries which have a direct effect on conducting exams with EvaExam.

The following entries are relevant:

EvaExam: Format for examinee-ID

Here the format for the recognition of the examinee-ID's on the exam paper is defined. For the X, a number is evaluated. Groups of numbers must be separated with the placeholder "-".

The format of the examinee-ID is determined once and should not be changed anymore. Subsequent changes may have the consequence that exam sheets already in circulation can no longer be evaluated correctly.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS12
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
EvaSys Settings
VividForms
General
Survey
Survey Online
Data Import and Export
Course User Data Fields
Functions
Central Evaluation
Email Functions & Accounts
Color Settings
Instructor Accounts
VividForms
Network Settings
System Security
Maintenance
Advanced...

Recognition Set F
C:\Program Fi dForms
\forms\
Recognition set folder for VividForms forms

Image directory fo
C:\Apache\htdocs\evasys_01\img
th to a directory in which the VividForms Reader will store the images of an open question.

Default form editor access for users

Figure 494: EvaExam: System Settings

EvaExam: The checkboxes for the examinee-ID start with 0

If this option is activated, the check boxes for the examinee-ID on the exam sheet begin with the number 0. If deactivated, they begin with the number 1.

This setting too is determined at the beginning and should not be changed anymore. If it is later changed, it can lead to existing, not yet scanned, exam sheets having their participants ID's erroneously recognized.

EvaExam: Headline above the examinee-ID

Here, the text of the title line that appears on the exam sheet is defined and displayed in the capturing field of the examinee ID.

EvaExam: Negative scores for response options

If this option is activated, the point value (score) of an answer option may also be negative, this means that negative points (minus) may be awarded for false answer options of single and multiple choice questions.

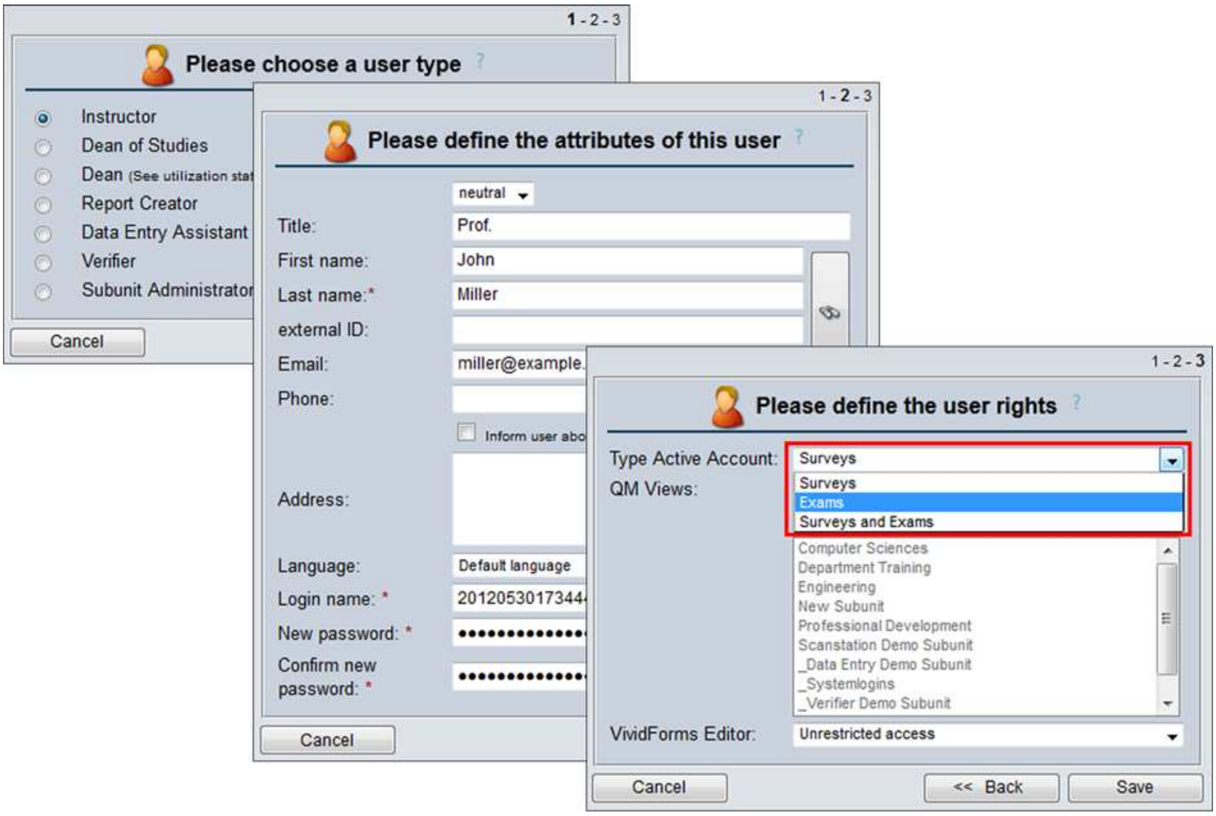
EvaExam: Correcting negative results

If this option is activated, the negative results of a question in EvaExam are reset to 0. If the option is deactivated, the negative points are carried over into the final result.

8.2. Creating Instructor Accounts with examiner function

Exams are not conducted centrally via the administrator account but decentralized via active instructor accounts. In the user properties, each instructor can be granted the right to conduct exams with his account. This can be set either when creating an instructor account or later by editing the user rights.

In any subunit, create a user account of the type “Instructor” and store the data of the instructor. A login name and password must be assigned, so the teacher can log in to his account. In the “user rights” window, you can determine for what this instructor account can be used for: Only for surveys, only for exams or for surveys and exams.



Please choose a user type

● Instructor
○ Dean of Studies
○ Dean (See utilization stat
○ Report Creator
○ Data Entry Assistant
○ Verifier
○ Subunit Administrator

Please define the attributes of this user

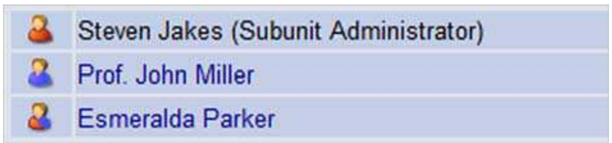
neutral
Title: Prof.
First name: John
Last name:* Miller
external ID:
Email: miller@example.
Phone:
☐ Inform user abo
Address:
Language: Default language
Login name: * 2012053017344
New password: * ••••••••••••••
Confirm new password: * ••••••••••••••

Please define the user rights

Type Active Account: Surveys
Surveys
Exams
Surveys and Exams
QM Views:
Computer Sciences
Department Training
Engineering
New Subunit
Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins
_Verifier Demo Subunit
VividForms Editor: Unrestricted access

Figure 495: EvaExam: Creating Instructors with Exam Rights

The rights of an instructor can be recognized by the color of the user symbol in the user list of the subunit: Instructors with red symbols may only conduct surveys; instructors with blue symbols may only conduct exams, instructors with red/blue symbols may create and conduct surveys and exams.

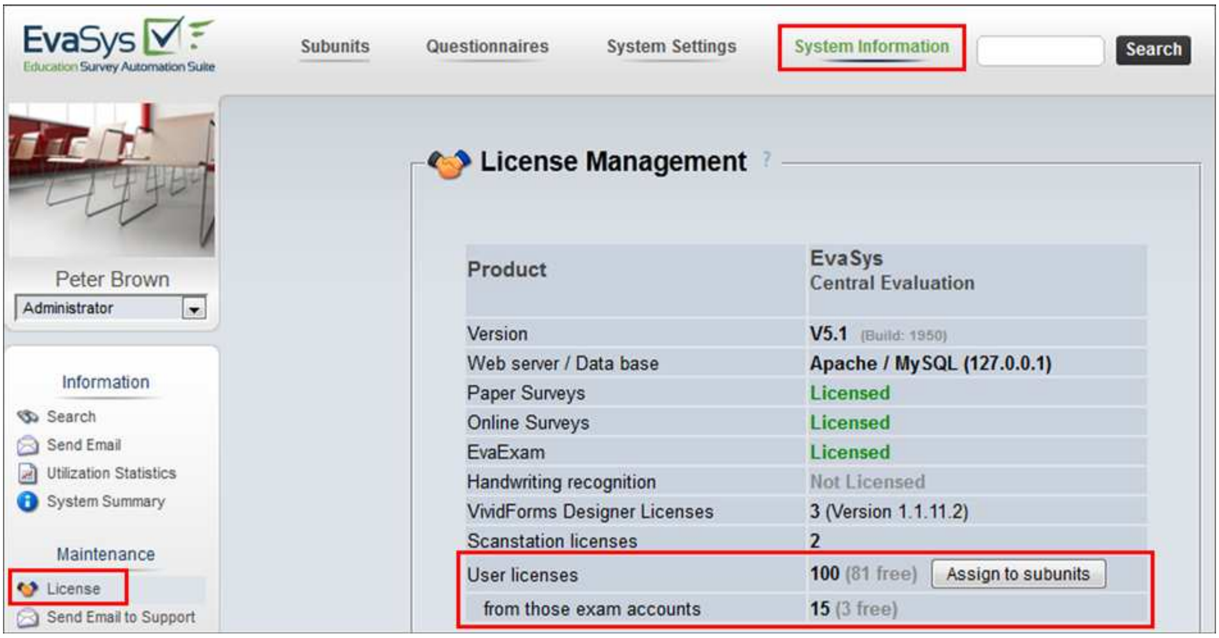


Steven Jakes (Subunit Administrator)
Prof. John Miller
Esmeralda Parker

Figure 496: EvaExam: Instructors with Differing User Rights

Please note, that an instructor with exam rights must always be switched to active in order to be able to create exams with his account. With a click on the user symbol an instructor can be switched between active and passive. Passive instructor accounts are marked with a padlock on the user symbol.

Also, please note, that the number of available user accounts with exam rights may, depending on licensing, be limited. An overview of the available examiner licenses can be found in “System Information/ License”.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
Peter Brown
Administrator
Information
Search
Send Email
Utilization Statistics
System Summary
Maintenance
License
Send Email to Support
License Management

Product	EvaSys Central Evaluation
Version	V5.1 (Build: 1950)
Web server / Data base	Apache / MySQL (127.0.0.1)
Paper Surveys	Licensed
Online Surveys	Licensed
EvaExam	Licensed
Handwriting recognition	Not Licensed
VividForms Designer Licenses	3 (Version 1.1.11.2)
Scanstation licenses	2
User licenses	100 (81 free) Assign to subunits
from those exam accounts	15 (3 free)

Figure 497: EvaExam: Status of Examiner Licenses in the License Administration

The exams are created and conducted by the instructors using their own accounts entirely independent of the administrator. Information on conducting exams with EvaExam can be found in the separate “EvaExam Examiner Manual”. It can be downloaded in the instructor account, in the area “Information”.

8.3. Viewing the exam list

In order to get an overview of the activities of the examiners accounts, the administrator has the ability to look into the exam list under “Subunits” and the menu item “Show Exams” (in the left side menu below the area “Central Evaluation”).

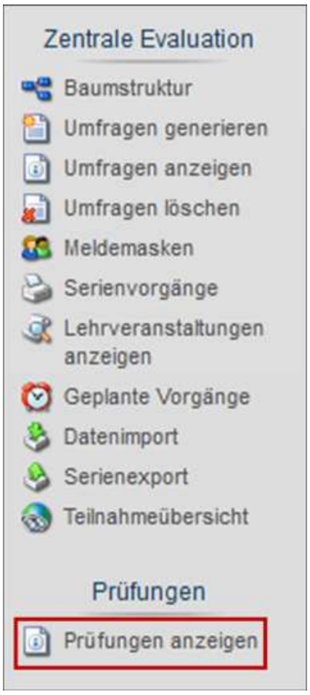
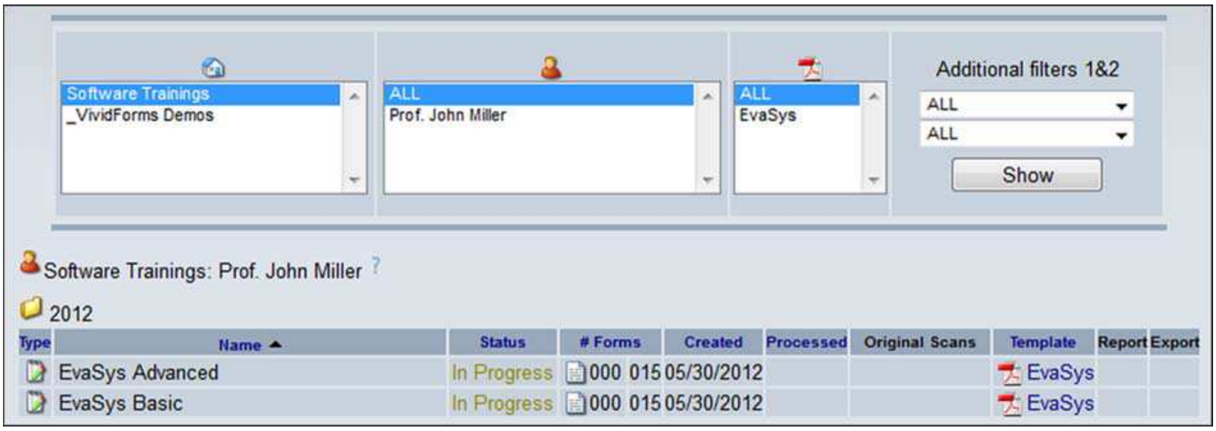

Zentrale Evaluation
Baumstruktur
Umfragen generieren
Umfragen anzeigen
Umfragen löschen
Meldemasken
Serienvorgänge
Lehrveranstaltungen anzeigen
Geplante Vorgänge
Datenimport
Serienexport
Teilnahmeübersicht
Prüfungen
Prüfungen anzeigen

Figure 498: EvaExam: Menu Item “Show Exams”

Via three drop down menus in the header area, one or more subunits, instructors and exam sheets can be selected to be displayed for the exam. If necessary these can be filtered according to the additional exam status (In Progress, Web verifier, Evaluated etc.).


Software Trainings
_VividForms Demos
ALL
Prof. John Miller
ALL
EvaSys
Additional filters 1&2
ALL
ALL
Show

Software Trainings: Prof. John Miller ?

2012

Type	Name ▲	Status	# Forms	Created	Processed	Original Scans	Template	Report	Export
	EvaSys Advanced	In Progress	000 015	05/30/2012			EvaSys		
	EvaSys Basic	In Progress	000 015	05/30/2012			EvaSys		

Figure 499: EvaExam: Exam List in the Administrator Account

Here, the administrator can get an overview of the status of the exams and, if the exam has already been evaluated, retrieve the exam report from the column “Report”, and in the column “Export” access the raw CSV data. He only has viewing rights, i.e. he cannot influence the evaluation of the exam in any way.

However, via the additional role of “Verifier”, the administrator does have the possibility to undertake a visual correction and as such, relieve the instructor of this task.

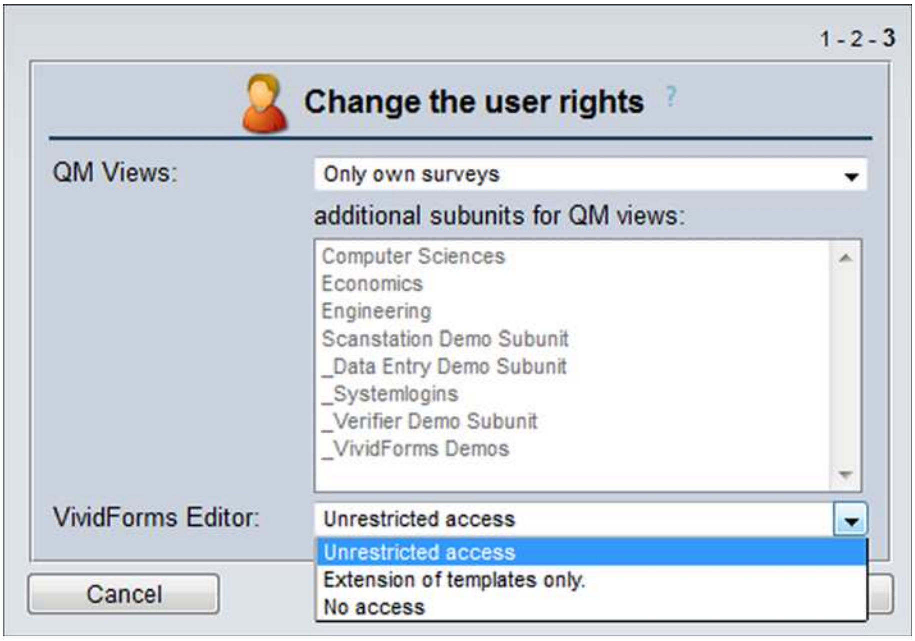
Note:
Please note, that if instructors with both surveys and exams exist in a subunit, then the verifier in that subunit also has access to surveys and exams.

C. Creating Questionnaires with VividForms

With the VividForms Editor Electric Paper has introduced a form creation tool that is easy and quick to use allows you to extend or redesign existing questionnaires or design new questionnaires as desired directly over the web interface. The content in VividForms questionnaires can be modified as desired. Keep in mind that for questionnaires which already have surveys registered to them there is a edit lock. As well as this, the administrator can define his questionnaires as templates and make them available to active users (instructors) for further processing.

1. Access to the VividForms Editor

Using the VividForms Editor is possible not only for the administrator/subunit administrator but also for active users (active instructors). Whereas administrator/subunit administrators always have full access to the editor, access rights for active users can be defined in the user properties. The administrator can make the following settings for each user of an active account:



Change the user rights

QM Views: Only own surveys

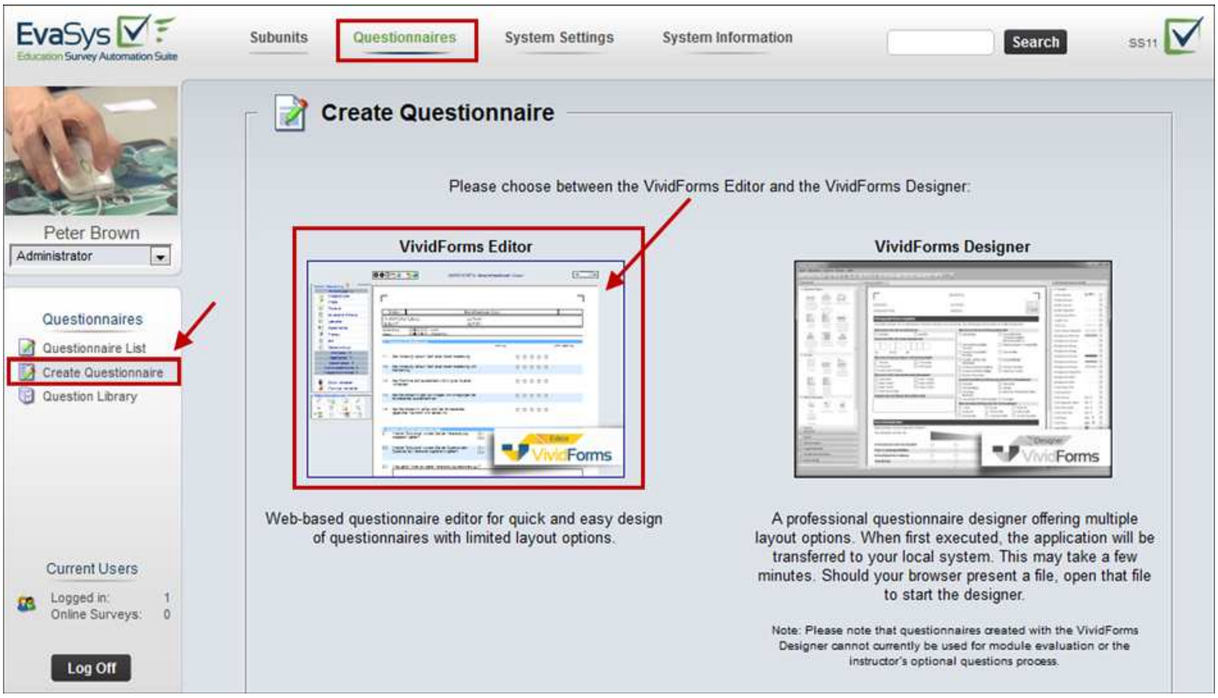
VividForms Editor: Unrestricted access

1 - 2 - 3
additional subunits for QM views:
Computer Sciences
Economics
Engineering
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins
_Verifier Demo Subunit
_VividForms Demos
Unrestricted access
Extension of templates only.
No access
Cancel

Figure 500: Access Rights for the VividForms Editor

- **Unrestricted access:** The user can create his own questionnaires or work with existing templates.
- **Extension of templates only:** The user can extend templates with his own questions, but cannot create his own questionnaires.
- **No access:** The user is not authorized to user the Web editor to modify or create questionnaires.

In the administrator's and subunit administrator's account, you can access to the VividForms Editor in the menu "Questionnaires". To create a new questionnaire, click on the option "Create Questionnaire" in the left context menu. In the main window, two tools now appear for creating questionnaires: the VividForms Editor (left) and the VividForms Designer (right).


Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Questionnaires
Questionnaire List
Create Questionnaire
Question Library
Current Users
Logged in: 1
Online Surveys: 0
Log Off

Create Questionnaire

Please choose between the VividForms Editor and the VividForms Designer:

VividForms Editor

Web-based questionnaire editor for quick and easy design of questionnaires with limited layout options.

VividForms Designer

A professional questionnaire designer offering multiple layout options. When first executed, the application will be transferred to your local system. This may take a few minutes. Should your browser present a file, open that file to start the designer.

Note: Please note that questionnaires created with the VividForms Designer cannot currently be used for module evaluation or the instructor's optional questions process.

Figure 501: Access to the VividForms Editor

The VividForms Designer is a questionnaire designer with extended layout versatility, which is available as an add-on to EvaSys. To use this, a separate license must be acquired. In systems without this license, the Designer is deactivated and cannot be started. For further information on the VividForms Designer, please consult the VividForms Designer manual. If interested in acquiring a license, please contact your customer service agent.

To start the VividForms Editor, click with the left mouse button on the questionnaire graphic under the heading VividForms Editor. The Editor opens directly in the browser window and you can begin creating a questionnaire.

2. Creating a Questionnaire in the VividForms Editor

2.1. Define Form Information

After starting the Editor a form creation wizard opens. Some fundamental information regarding the questionnaire must be deposited here:

- Short Name

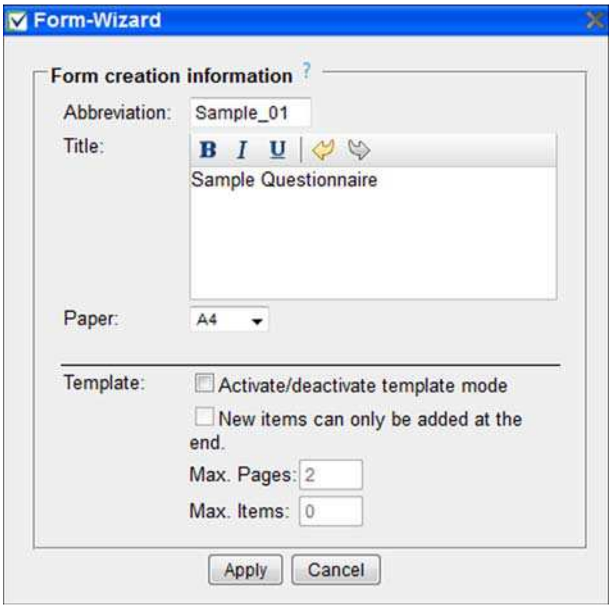
  A five to ten digit short name, which may only exist once in the system. It must not contain any spaces.

- Heading

  A longer text describing the questionnaire. This appears in the header of the questionnaire.

- Paper

  Choose between the paper formats A4, letter and legal.



Form creation information

Abbreviation: Sample_01

Title: Sample Questionnaire

Paper: A4

Template: ☐ Activate/deactivate template mode

☐ New items can only be added at the end.

Max. Pages: 2

Max. Items: 0

Figure 502: Define Form Information

Click on [Apply]. Now the questionnaire is created. It contains a header and the editing bar can be used.

The preview mode, which can be activated in the lower part of the window, should only be switched on if the questionnaire is to be made available to active users (instructors) as a template or for the purpose of instructor's optional questions. As a rule, it should first be activated after completing the sheets.

- Template

  Once you place a tick in the area "Activate/deactivate template mode", you have defined your questionnaire as a template.

  With a questionnaire that is defined as a template, you can decide whether the new items should only be added at the end of the questionnaire. By doing so, you can ensure that the existing structure of your questionnaire cannot be changed. To do this, activate the option "New items may only be added at the end".

- Max Pages

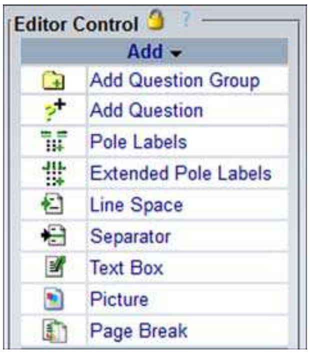
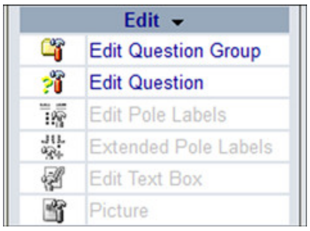
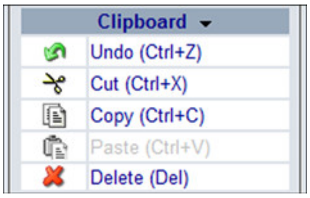
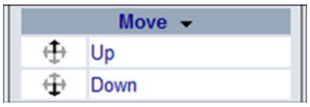
  Defines the maximum number of pages this form can have when being used as a template by other users. If the property "Template" is inactive, the number of pages will be limited internally to 99 pages.

- Max Items

  Defines the maximum number of questions allowed on the questionnaire. This enables control over the number of questions which may be added when decentral users take this template to add personal questions. This limitation is inactive when the form is not a template.

2.2. The Editor Control

You can access all functions pertaining to questionnaire creation in the menu panel on the left. The following table gives you an overview of each individual menu and its functions. By clicking on a menu name, it can be opened and closed. By clicking on the padlock icon, the anchoring of the editor control panel to the top of the page is released, so that, if required, it can scroll down with the questionnaire.

Add **Question group**: Opens the dialog to create a new question group **Question**: Opens the dialog to create a new question **Pole Labels**: Adds the pole labels defined under form properties **Extended Pole Labels**: Opens the dialog to add vertical pole labels **Line Space**: Adds an empty line **Separator**: Adds a horizontal separator **Text Box**: Opens the dialog to create a text box **Picture**: Opens the dialog to add a picture from the library **Page Break**: Adds a page break	 Editor Control Add Add Question Group Add Question Pole Labels Extended Pole Labels Line Space Separator Text Box Picture Page Break
Edit **Edit Question Group**: Opens the properties dialog of the seleted question group **Edit Question**: Opens the properties dialog of the selected question **Edit Pole Labels**: Opens the properties dialog of the pole labels **Extended Pole Labels**: Opens the properties dialog of the vertical pole labels **Edit Text Box**: Opens the properties dialog of the selected text box **Picture**: Opens the properties dialog of the marked picture	 Edit Edit Question Group Edit Question Edit Pole Labels Extended Pole Labels Edit Text Box Picture
Clipboard **Undo** (Ctrl + Z): Undoes the last action (up to 20 in a row) **Cut** (Ctrl + X): Cuts the selected object and adds it to the clipboard **Copy** (Ctrl + C): Copies the selected object and adds it to the clipboard **Paste** (Ctrl + V): Adds the contents of the clipboard below the marked object **Delete** (Del): Deletes the marked object	 Clipboard Undo (Ctrl+Z) Cut (Ctrl+X) Copy (Ctrl+C) Paste (Ctrl+V) Delete (Del)
Move **Up**: Moves the marked object one step up **Down**: Moves the marked object one step down	 Move Up Down

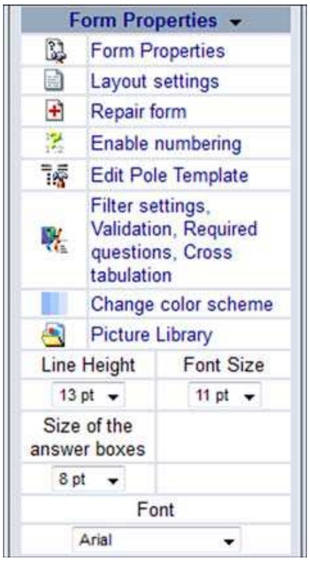
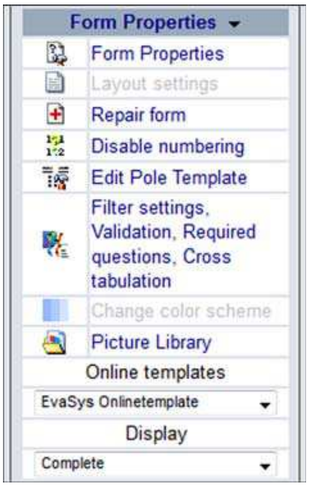
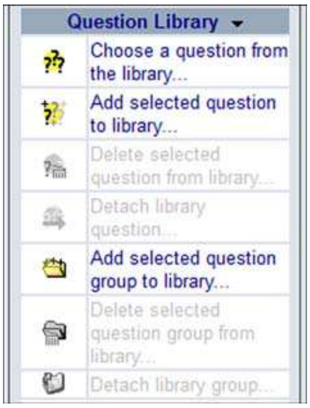
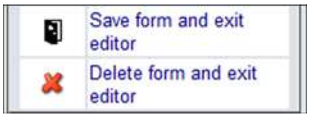
Form Properties - Paper View **Form properties**: Opens the properties of the questionnaire **Layout settings**: Opens the layout settings for the form **Repair form**: Recreates the questionnaire **Enable numbering**: Toggles the numbering of questions and question groups **Edit Pole Template**: Opens the dialog for the definition of pole labels **Filter settings, Validation, Required questions, Cross tabulations**: Opens the dialog for the definition of filters, validation, required questions, cross tabulations **Change color scheme**: Opens the dialog for adapting the form's color scheme **Picture Library**: Opens the dialog for adding and removing pictures to/from the picture library **Line Height, Font Size, Size of the answer boxes, Font**: Selection of line height, size of answer boxes, font size and type for the complete questionnaire	 Form Properties Form Properties Layout settings Repair form Enable numbering Edit Pole Template Filter settings, Validation, Required questions, Cross tabulation Change color scheme Picture Library Line Height Font Size 13 pt 11 pt Size of the answer boxes 8 pt Font Arial
Form Properties - Online View **Form properties**: Opens the properties of the questionnaire **Repair form**: Recreates the questionnaire **Enable numbering**: Toggles the numbering of questions and question groups **Edit Pole Template**: Opens the dialog for the definition of pole labels **Filter settings, Validation, Required questions, Cross tabulations**: Opens the dialog for the definition of filters, validation, required questions, cross tabulations **Picture Library**: Opens the dialog for adding and removing pictures to/from the picture library **Online template**: Selection of the template used for the online view in the VividForms Editor **Display**: Selection of the display mode for the online view in the VividForms Editor	 Form Properties Form Properties Layout settings Repair form Disable numbering Edit Pole Template Filter settings, Validation, Required questions, Cross tabulation Change color scheme Picture Library Online templates EvaSys Onlinetemplate Display Complete
Question Library **Choose a question from the library**: Opens the dialog to add questions or question groups to the library **Add selected question to library**: Opens the dialog to add a selected question to the library **Delete selected question from library**: Deletes the question from the library **Detach library question**: Detaches the selected question from the library **Add selected question group to library**: Adds the selected question group to the library **Delete selected question group from library**: Deletes the selected question group form the library **Detach library group**: Detaches the selected question group from the library	 Question Library Choose a question from the library... Add selected question to library... Delete selected question from library... Detach library question... Add selected question group to library... Delete selected question group from library... Detach library group...
Save form and exit editor: Saves changes and exites the VividForms Editor **Delete form and exit editor**: Deletes the questionnaire and exits the VividForms Editor	 Save form and exit editor Delete form and exit editor

Table 23: Editor Control

At the foot of the editor control panel, the field meta-information provides an overview of the current state of the questionnaire:

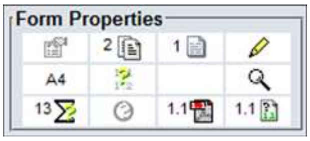


Figure 503: Editor Control: Meta-information

Individual lines are read from left to right as follows:

- Line 1:
    - Template mode activated/deactivated
    - Maximum number of pages
    - Current page number
    - Edit mode
- Line 2:
    - Paper format
    - Numbering on/off
    - Information on the active object
- Line 3:
    - Current number of questions on the sheet
    - Maximum number of questions on the sheet
    - PDF version of the form
    - Editor version of the form

2.3. Viewing Options

Two different display options for displaying the questionnaire in the VividForms Editor are available: the paper view and the online view. With the help of an icon (PDF and globe with green arrow) in the viewing bar above the questionnaire, you can switch back and forth between views, as long as the system is licensed for both types of surveys. If the system is only licensed for paper or online surveys, only the licensed type of view is displayed.

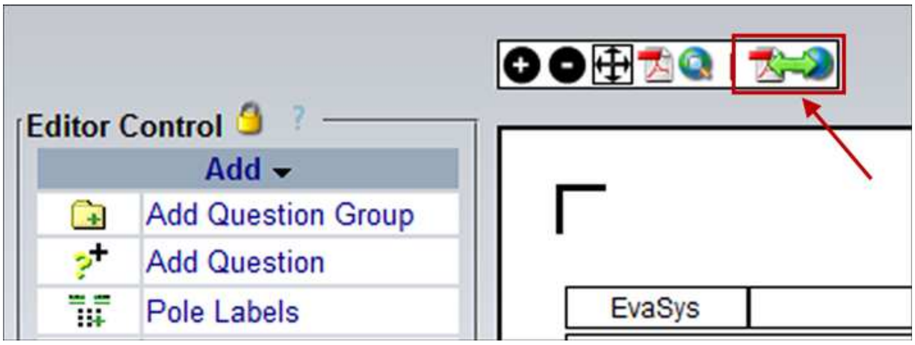


Figure 504: Switching between Paper and Online View

In the system settings (menu “System Settings/EvaSys Settings/VividForms/Standard view VividForms Editor”), the default view when opening the editor (paper or online view) can be defined.

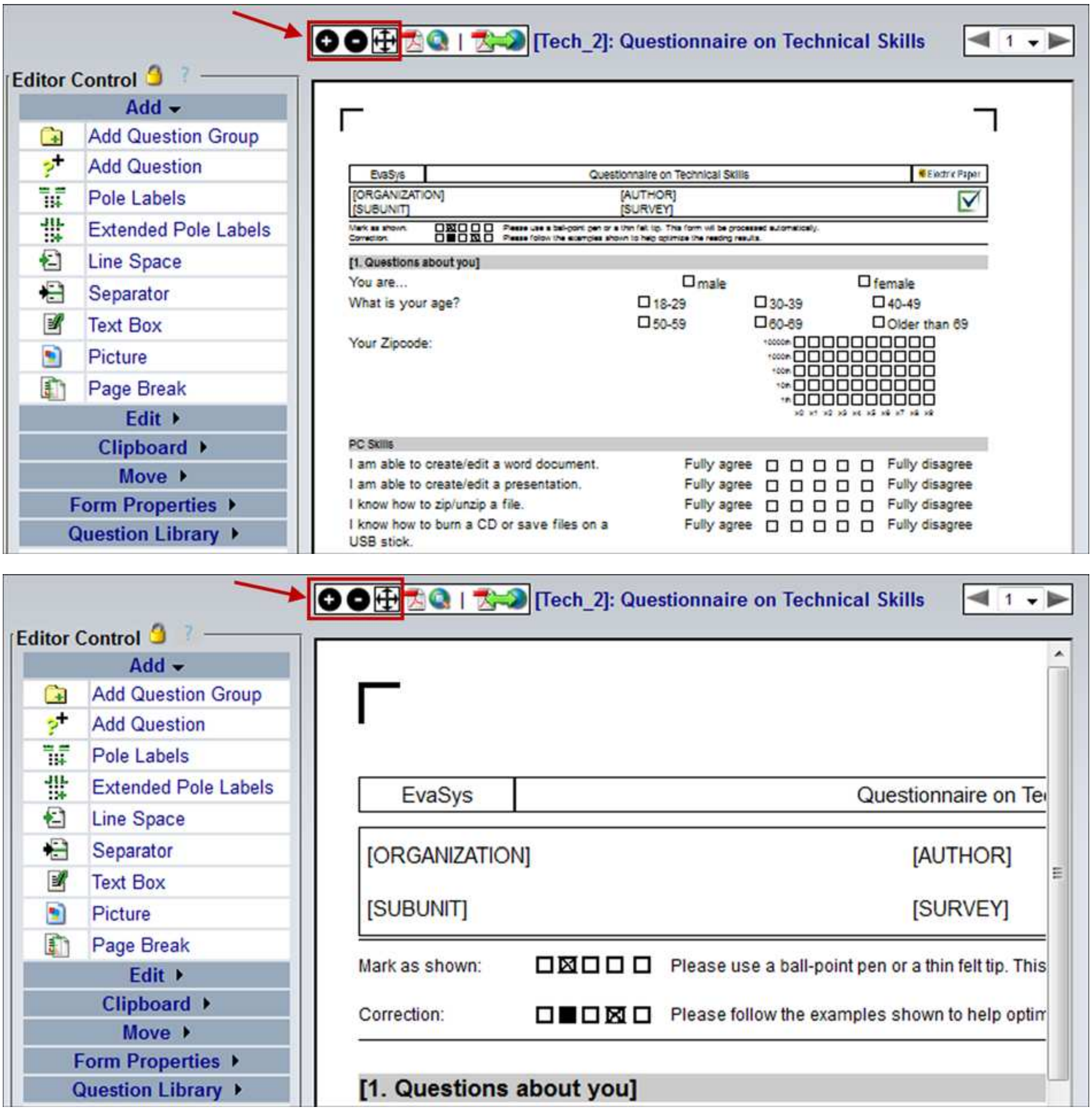
If, in the properties of a questionnaire, it is defined that this is only released for paper surveys, only the paper view is displayed when opening the sheets. If the sheets are only released for online surveys, only the online view is displayed. The button for switching is then no longer available.

2.3.1. Paper View

In the paper view, the display of the questionnaire is simulated as a paper survey. This view can be adjusted by different control elements.

You can use the symbols ⊕ and ⊖ to zoom in the preview window to four different levels. Below you can see examples of different zoom levels. Select the one best for your screen resolution:

After zooming, to fit the preview to the size of the chosen window, click on the icon with four arrows.


[Tech_2]: Questionnaire on Technical Skills
1
Editor Control
Add
Add Question Group
Add Question
Pole Labels
Extended Pole Labels
Line Space
Separator
Text Box
Picture
Page Break
Edit
Clipboard
Move
Form Properties
Question Library

EvaSys | Questionnaire on Technical Skills | Electric Paper

[ORGANIZATION] [AUTHOR]
[SUBUNIT] [SURVEY]

Mark as shown: Please use a ball-point pen or a thin felt tip. This form will be processed automatically.
Correction: Please follow the examples shown to help optimize the reading results.

[1. Questions about you]

You are... ☐ male ☐ female
What is your age? ☐ 18-29 ☐ 30-39 ☐ 40-49 ☐ 50-59 ☐ 60-69 ☐ Older than 69
Your Zipcode:

PC Skills

I am able to create/edit a word document. Fully agree ☐ ☐ ☐ ☐ ☐ Fully disagree
I am able to create/edit a presentation. Fully agree ☐ ☐ ☐ ☐ ☐ Fully disagree
I know how to zip/unzip a file. Fully agree ☐ ☐ ☐ ☐ ☐ Fully disagree
I know how to burn a CD or save files on a USB stick. Fully agree ☐ ☐ ☐ ☐ ☐ Fully disagree

Figure 505: a and b: Different Zoomed-in Views of a Questionnaire

If the questionnaire you have created consists of more than one page, you can change to the different pages using the arrows, as well as the drop-down list in the upper right hand corner of the screen.

2.3.2. Online View

In the online view, the display of the questionnaire is simulated as an online survey. This view can be adjusted in different ways:

In the menu on the left hand side, under “Form Properties”, the type of display for the online questionnaire can be adjusted. All three display modes (complete, per chapter and per page) can be selected, which are also available for the real online survey. If, for example, the display mode “per page” was selected, tabs are then shown by which one can skip between the individual pages of an online questionnaire.

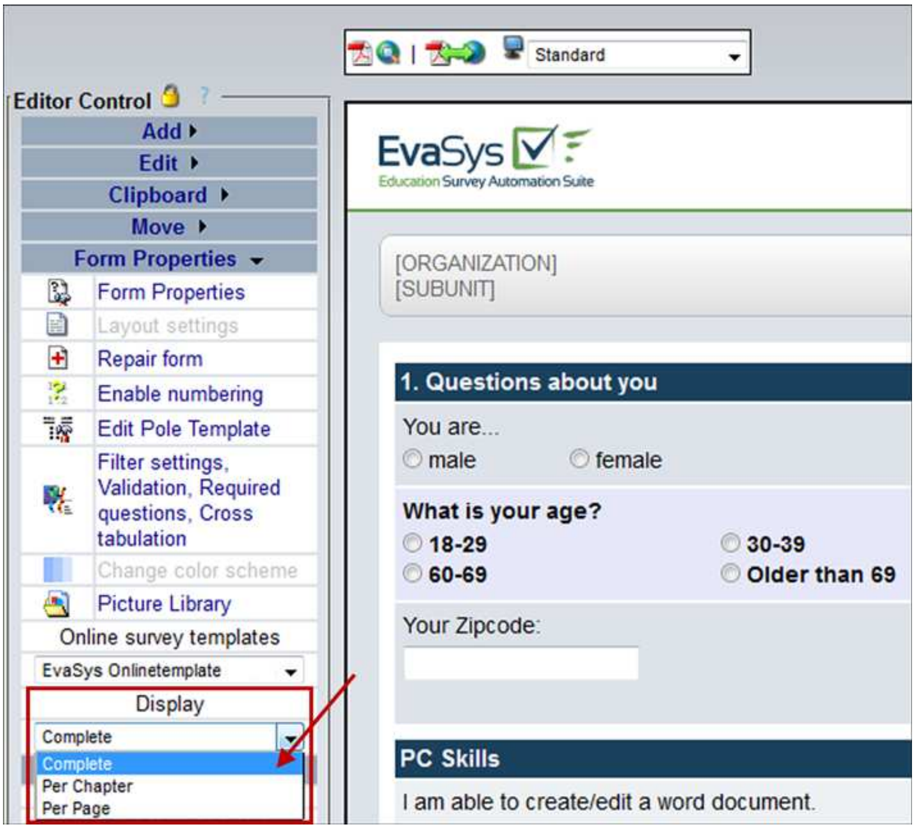
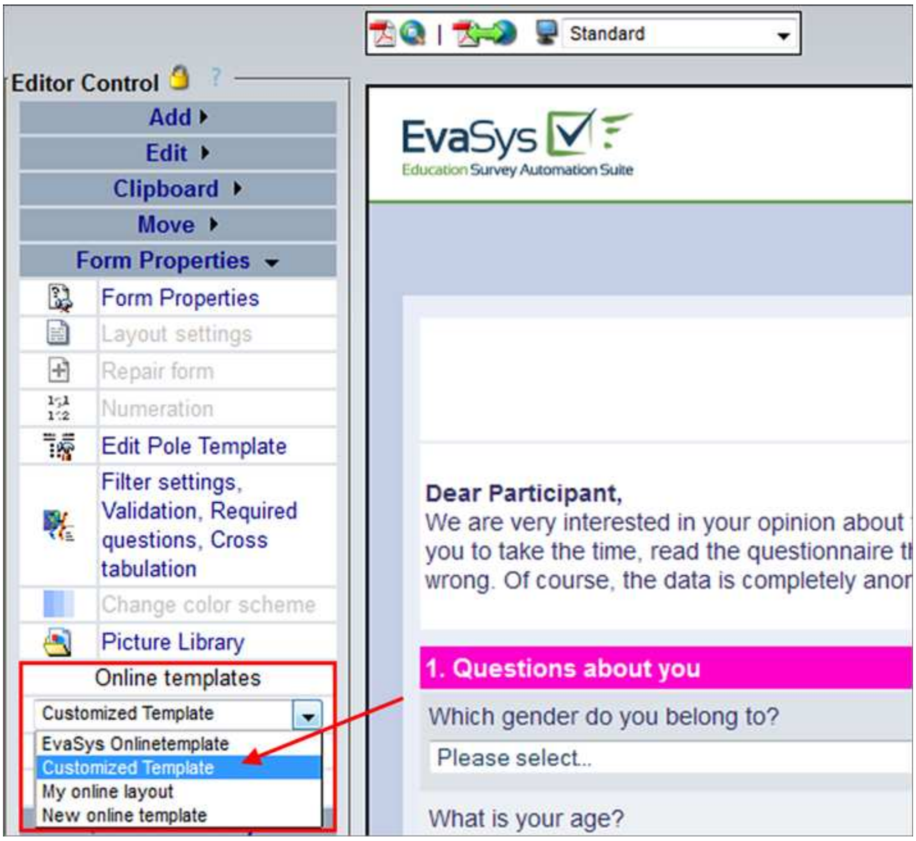

Standard
Editor Control
Add
Edit
Clipboard
Move
Form Properties
Form Properties
Layout settings
Repair form
Enable numbering
Edit Pole Template
Filter settings, Validation, Required questions, Cross tabulation
Change color scheme
Picture Library
Online survey templates
EvaSys Onlinetemplate
Display
Complete
Complete
Per Chapter
Per Page
EvaSys Education Survey Automation Suite
[ORGANIZATION]
[SUBUNIT]
1. Questions about you
You are...
○ male
○ female
What is your age?
○ 18-29
○ 30-39
○ 60-69
○ Older than 69
Your Zipcode:
PC Skills
I am able to create/edit a word document.

Figure 506: Display Modes for Online Questionnaires

If customized online templates were created on the basis of the EvaSys standard template (cf. here chapter B 3.2. "Generating Surveys"), the online questionnaire can also be presented in the design of the customized template. To do this, select the desired template under “Online templates” in the form properties.


Standard
Editor Control
Add
Edit
Clipboard
Move
Form Properties
Form Properties
Layout settings
Repair form
Numeration
Edit Pole Template
Filter settings, Validation, Required questions, Cross tabulation
Change color scheme
Picture Library
Online templates
Customized Template
EvaSys Onlinetemplate
Customized Template
My online layout
New online template
EvaSys
Education Survey Automation Suite
1. Questions about you
Please select...

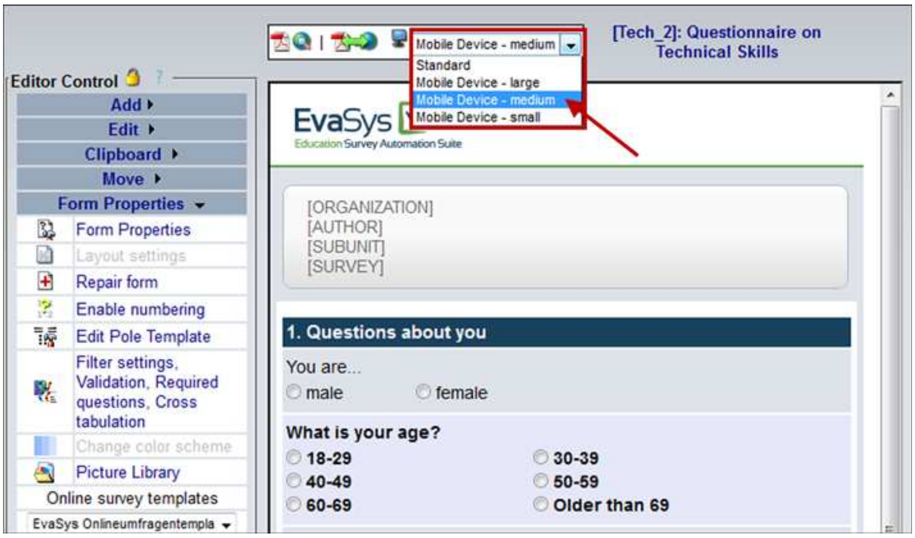
Dear Participant,
We are very interested in your opinion about
you to take the time, read the questionnaire t
wrong. Of course, the data is completely anor

Which gender do you belong to?

What is your age?

Figure 507: Select Online Template

Via the drop-down list in the viewing bar above the questionnaire, you can, where required, simulate the display of the online questionnaire for mobile devices. As well as the standard view, which is intended for screen viewing on PC’s, the view for small, medium and large mobile devices can also be selected. The following screenshot shows the resolution for mobile devices of a medium size:


Mobile Device - medium
Standard
Mobile Device - large
Mobile Device - medium
Mobile Device - small
[Tech_2]: Questionnaire on Technical Skills
Editor Control
Add
Edit
Clipboard
Move
Form Properties
Form Properties
Layout settings
Repair form
Enable numbering
Edit Pole Template
Filter settings, Validation, Required questions, Cross tabulation
Change color scheme
Picture Library
Online survey templates
EvaSys Onlineumfragentempla
EvaSys
Education Survey Automation Suite
[ORGANIZATION]
[AUTHOR]
[SUBUNIT]
[SURVEY]
1. Questions about you

You are...
○ male ○ female

What is your age?
○ 18-29 ○ 30-39
○ 40-49 ○ 50-59
○ 60-69 ○ Older than 69

Figure 508: Online View for Mobile Devices

Note:
The viewing options that can be set here only apply to presentation in the VividForms Editor. They are intended to facilitate the work with the editor, by displaying a true image of the online survey. For the real online survey, the representation (per chapter, per page etc.) is defined in the details of the questionnaire. The online template is defined in the subunit properties. The presentation of the online survey is automatically adapted to the resolution of mobile devices, when the support of mobile devices is enabled in the configuration ("System Settings/EvaSys Settings/ Survey Online/ Support for mobile devices"). By default it is enabled.

2.3.3. Preview Functions

Independent of the view in which you find yourself (paper view or online view), preview options are always available by which the paper forms as well as the online survey can be displayed in a separate browser window. Both preview possibilities can be found in the viewing bar above the questionnaire.

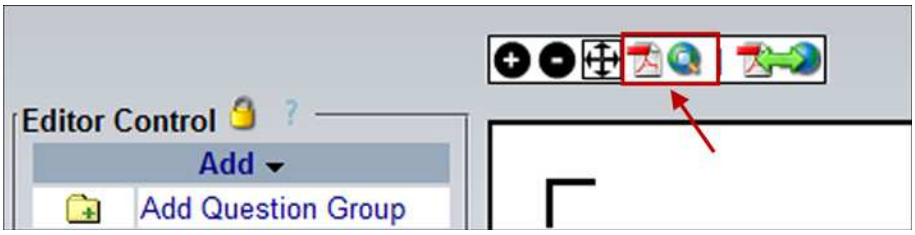
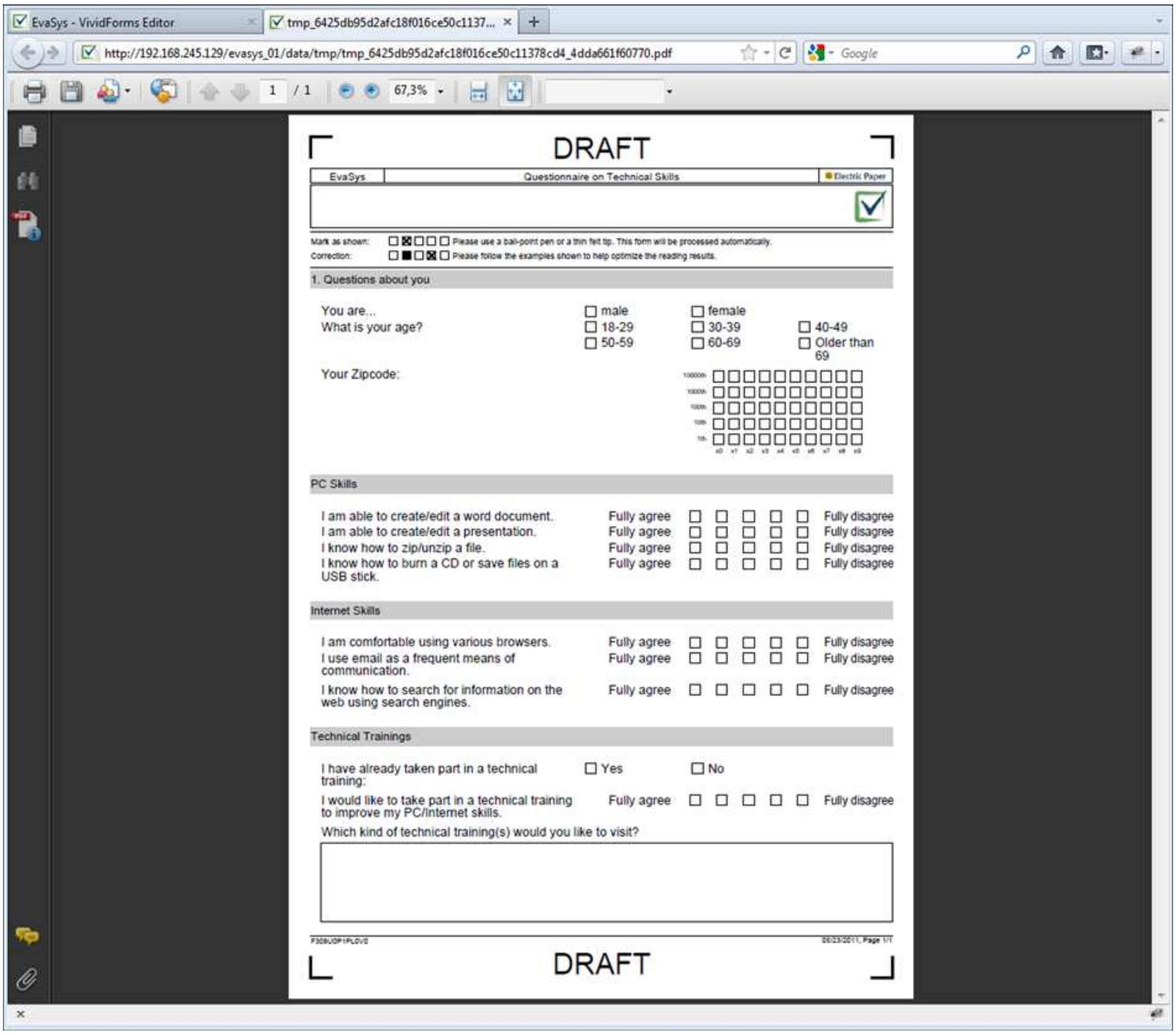


Figure 509: Preview Possibilities

In order to display a preview of the future PDF questionnaire, click on the PDF symbol .

A new window opens with a PDF example of your questionnaire. This PDF document is generated in real time on the server. Check to make sure you like your layout. Close the window in order to continue editing the questionnaire.


EvaSys - VividForms Editor
tmp_6425db95d2afc18f016ce50c1137...
http://192.168.245.129/evasys_01/data/tmp/tmp_6425db95d2afc18f016ce50c11378cd4_4dda661f60770.pdf
Google
1 / 1
67,3%

DRAFT

EvaSys	Questionnaire on Technical Skills	Electric Paper

Mark as shown: ☐ ☒ ☐ ☐ ☐ Please use a ball-point pen or a thin felt tip. This form will be processed automatically.
Correction: ☐ ■ ☐ ☒ ☐ Please follow the examples shown to help optimize the reading results.

1. Questions about you

You are... ☐ male ☐ female
What is your age? ☐ 18-29 ☐ 30-39 ☐ 40-49 ☐ 50-59 ☐ 60-69 ☐ Older than 69

Your Zipcode:

PC Skills

I am able to create/edit a word document.	Fully agree	☐	☐	☐	☐	☐	Fully disagree
I am able to create/edit a presentation.	Fully agree	☐	☐	☐	☐	☐	Fully disagree
I know how to zip/unzip a file.	Fully agree	☐	☐	☐	☐	☐	Fully disagree
I know how to burn a CD or save files on a USB stick.	Fully agree	☐	☐	☐	☐	☐	Fully disagree

Internet Skills

I am comfortable using various browsers.	Fully agree	☐	☐	☐	☐	☐	Fully disagree
I use email as a frequent means of communication.	Fully agree	☐	☐	☐	☐	☐	Fully disagree
I know how to search for information on the web using search engines.	Fully agree	☐	☐	☐	☐	☐	Fully disagree

Technical Trainings

I have already taken part in a technical training: ☐ Yes ☐ No

I would like to take part in a technical training to improve my PC/Internet skills.	Fully agree	☐	☐	☐	☐	☐	Fully disagree

Which kind of technical training(s) would you like to visit?

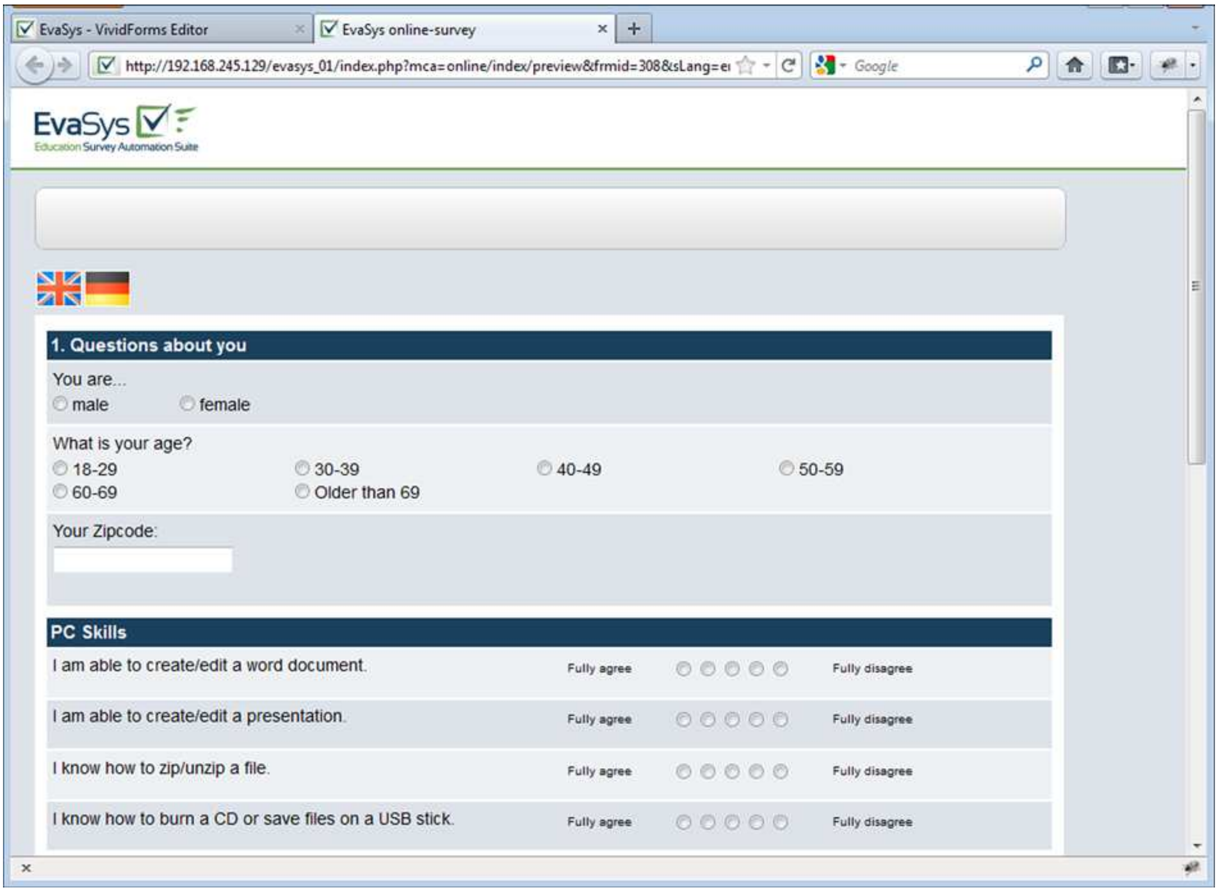
06/23/2011, Page 1/1

DRAFT

Figure 510: PDF Preview of Questionnaire

Please note that this preview is not suitable for implementing a survey. In order to create a survey on the basis of a new questionnaire you must first create a folder and then create a survey.

In order to display a preview of the future online survey, click on the online symbol 🌐 .


EvaSys - VividForms Editor
EvaSys online-survey
http://192.168.245.129/evasys_01/index.php?mca=online/index/preview&frmid=308&sLang=e
Google
EvaSys
Education Survey Automation Suite

1. Questions about you

You are...
○ male ○ female

What is your age?
○ 18-29 ○ 30-39 ○ 40-49 ○ 50-59
○ 60-69 ○ Older than 69

Your Zipcode:

PC Skills

I am able to create/edit a word document. Fully agree ○ ○ ○ ○ ○ Fully disagree

I am able to create/edit a presentation. Fully agree ○ ○ ○ ○ ○ Fully disagree

I know how to zip/unzip a file. Fully agree ○ ○ ○ ○ ○ Fully disagree

I know how to burn a CD or save files on a USB stick. Fully agree ○ ○ ○ ○ ○ Fully disagree

Figure 511: Preview of Online Survey

A new window opens with a preview of the online survey. Check to make sure you like your layout. Close the window in order to continue editing the questionnaire.

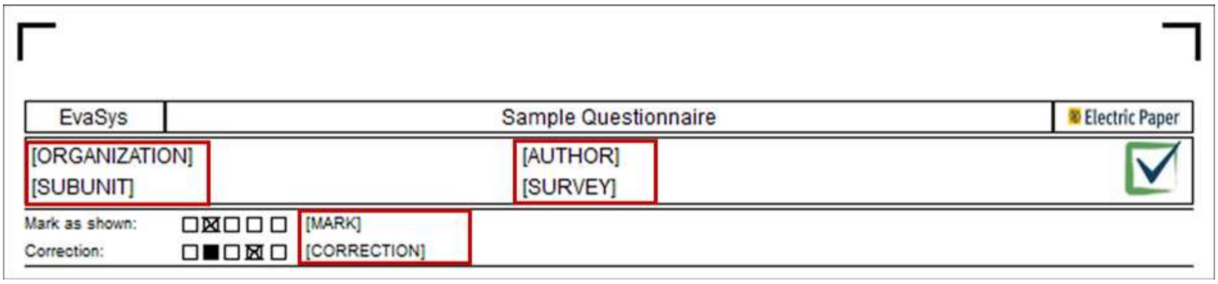
To finish editing the questionnaire, click “Save form and exit editor” (or the symbol with the open door). After that you will reach the details of a questionnaire.

Hint:
Your changes of a questionnaire will always be saved automatically. Hence, you do not need to save the questionnaire specially. Whenever you need you can e.g. click further options in EvaSys, e.g. “EvaSys Settings”, without leaving the editor “officially” by clicking “Save form and exit editor”. Your questionnaire in spite will be saved with all your changes and can be accessed as usual.

2.4. Editing the Questionnaire Header

The header area of a questionnaire contains a number of placeholders, which are dynamically filled with the information of the corresponding survey process in the later use of the questionnaire for paper and online surveys. You can recognize the placeholders by their continuous capital letters as well as the angular brackets. With online surveys, you can define whether the survey header should be displayed, (see here chapter B 2.4.2. "Management of Questionnaires and Detailed View" – online surveys. These include, for example, the name of the subunit, the name of the course to be evaluated or the name of the instructor.

The placeholders which are automatically indicated during editing of a questionnaire usually suffice. If required, however, these can be individually adjusted. In the following figure you can see the placeholders that the header area contains by default:



EvaSys | Sample Questionnaire | Electric Paper

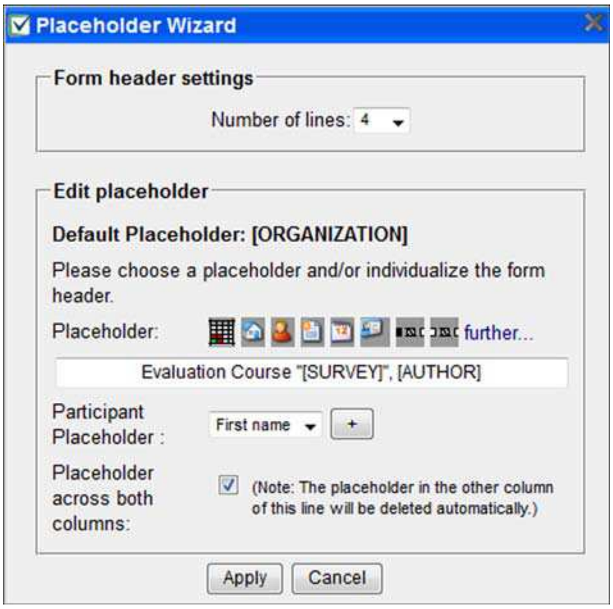
[ORGANIZATION]
[SUBUNIT]

[AUTHOR]
[SURVEY]

Mark as shown: ☐☒☐☐☐ [MARK]
Correction: ☐■☐☒☐ [CORRECTION]

Figure 512: Placeholders in a Questionnaire

Click on a placeholder to edit its content.



Placeholder Wizard

Form header settings

Number of lines: 4

Edit placeholder

Default Placeholder: [ORGANIZATION]

Please choose a placeholder and/or individualize the form header.

Placeholder: further...

Evaluation Course "[SURVEY]", [AUTHOR]

Participant Placeholder : First name +

Placeholder across both columns: ☑ (Note: The placeholder in the other column of this line will be deleted automatically.)

Figure 513: Editing the Placeholder

A placeholder wizard will appear as shown here. You can insert different placeholders in the text fields provided. To do this, click on the buttons which symbolize the relevant content with small graphics.

Following placeholders are available in the icon list:

[SUBUNIT]	Name of subunit
[ORGANIZATION]	Name of organization
[AUTHOR]	Name of instructor
[SURVEY]	Name of course or survey
[PERIOD]	Name of survey period
[COURSEID]	Course ID

In addition to these placeholders, two text elements can be used to fill the box containing hints on completion:

[MARK]	Filling instructions part 1
[CORRECTION]	Filling instructions part 2

Apart from the placeholders available as buttons, practically all other placeholders can be used which are available for use in text templates, such as [CUSTOMFIELD_X] for the user defined course fields, [PROGRAMOFSTUDY] for program of study etc. A comprehensive list of all placeholders can be found in chapter D 2.1.6. "Placeholders for Text Templates and Questionnaires". This opens automatically if the link “others” is clicked in the placeholder wizard. Placeholders can be copied from the manual and manually inserted into the input field of the placeholder wizard.Instead of the placeholders you can enter text directly. It then becomes a static text which is not adapted to the respective surveys.

As you know, using the cover sheet procedure the header of the questionnaire remains empty because it cannot be adapted to a single particular survey. If you only want use a questionnaire in the cover sheet procedure, you can avoid this issue by inserting static texts into the header instead of the placeholders.

If the questionnaire is to be used for non-anonymous surveys personalized to individual participants, other placeholders can be added. For this simply select a placeholder from the shortlist in the lower area of the dialogue and click on the button marked [+].

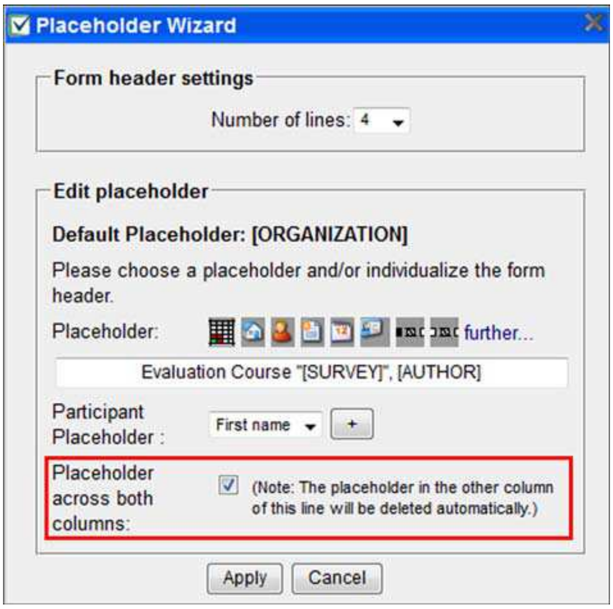
The following placeholders are available for non-anonymous surveys:

[PARTICIPANT_FIRSTNAME]	Survey participant’s first name
[PARTICIPANT_LASTNAME]	Survey participant’s last name
[PARTICIPANT_IDENTIFIER]	Survey participant’s ID
[PARTICIPANT_SALUTATION]	Survey participant’s salutation
[PARTICIPANT_TITLE]	Survey participant’s title
[PARTICIPANT_ADDRESS]	Survey participant’s address
[PARTICIPANT_EMAIL]	Survey participant’s email address
[PARTICIPANT_CUSTOM1]	Survey participant’s first user-defined field
[PARTICIPANT_CUSTOM2]	Survey participant’s second user-defined field

[PARTICIPANT_CUSTOM3] Survey participant’s third user-defined field

Note:
The fields for survey participants can only then be used in a survey when participant data for the respective course identification was imported into the EvaSys system via the relevant CSV import .

If a placeholder is to extend across two columns, click on the corresponding placeholder and activate the option “Placeholder across both columns”. Please observe, that EvaSys will automatically delete the placeholder in the other column and, where applicable, you will need to insert it in another area of the questionnaire header.



Number of lines: 4

Default Placeholder: [ORGANIZATION]

Please choose a placeholder and/or individualize the form header.

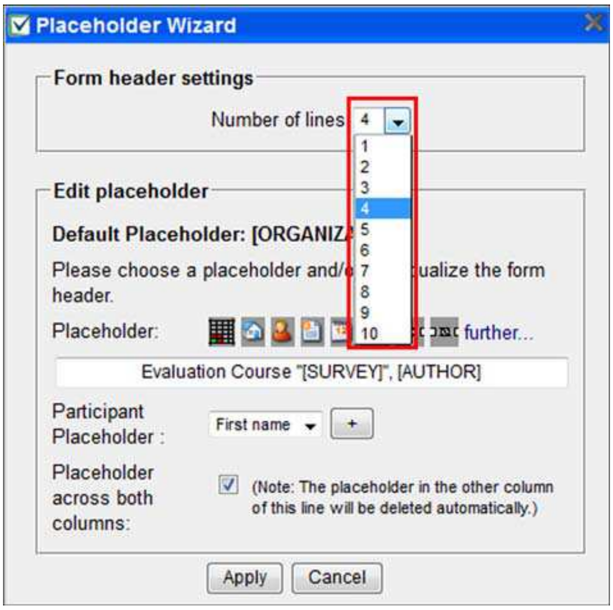
Placeholder: Evaluation Course "[SURVEY]", [AUTHOR]

Participant Placeholder : First name

Placeholder across both columns: ☑ (Note: The placeholder in the other column of this line will be deleted automatically.)

Figure 514: Extend Placeholder across two Columns

In order to expand or contract the size of the questionnaire header, the number of lines made available can be adjusted in the placeholder wizard. You can choose between 1 and a maximum of 10 lines. The more lines included in the form header equates to more room being available for the logo.



Placeholder Wizard

Form header settings

Number of lines: 4

1
2
3
4
5
6
7
8
9
10

Edit placeholder

Default Placeholder: [ORGANIZ

Please choose a placeholder and/o ualize the form header.

Placeholder: further...

Evaluation Course "[SURVEY]", [AUTHOR]

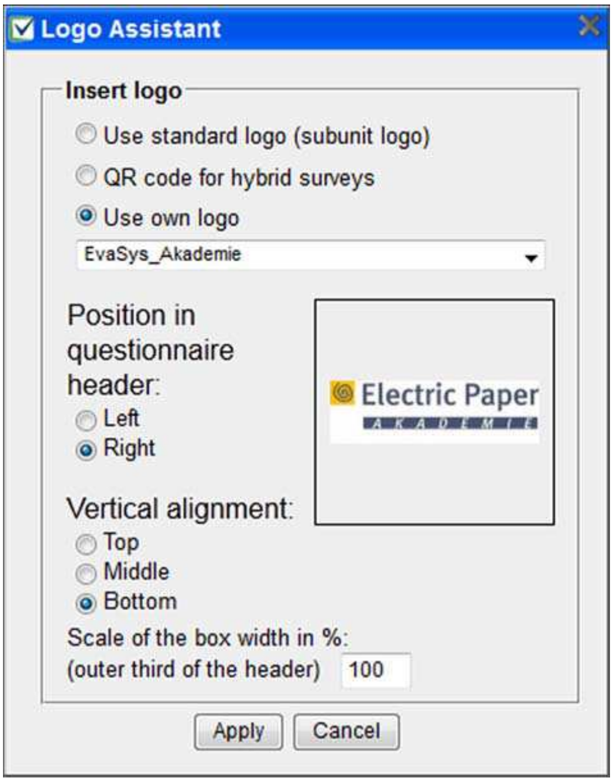
Participant Placeholder : First name +

Placeholder across both columns: ☑ (Note: The placeholder in the other column of this line will be deleted automatically.)

Apply | Cancel

Figure 515: Define the Number of Lines in the Questionnaire Header

The logo in the questionnaire header can also be replaced by your own logo. By default, the logo defined as the standard subunit logo is displayed. To integrate a custom logo into the questionnaire header, click on the existing logo. The logo assistant opens automatically.



Logo Assistant

Insert logo

○ Use standard logo (subunit logo)
○ QR code for hybrid surveys
● Use own logo

EvaSys_Akademie

Position in questionnaire header:
○ Left
● Right

Vertical alignment:
○ Top
○ Middle
● Bottom

Scale of the box width in %: (outer third of the header) 100

Apply | Cancel

Figure 516: Adjusting the Logo

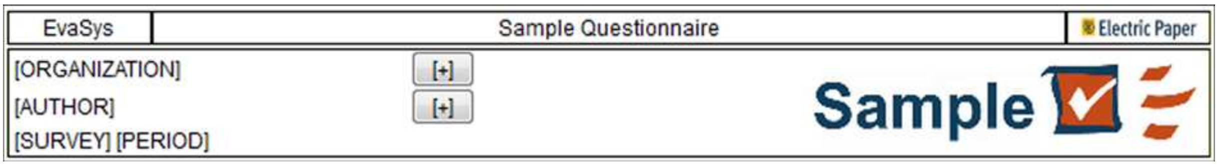
Here you can choose whether to:

- use the standard logo (subunit logo) or
- use your own logo.

Under “Use own logo” you will find the logos and pictures which you have already uploaded into the “Picture Library” in the menu “Form Properties” in the Editor Control. If you have not yet integrated any pictures (e.g. logos) into the “Picture Library”, you cannot select your own logo. To upload images to the library please see chapter C 2.10.1. "Upload Pictures to the Picture Library".

In the area “Position in questionnaire header” it can be determined whether the selected logo should be displayed on the left or right side of the questionnaire header. Furthermore, in the “Vertical Alignment”, the orientation of the logo in the questionnaire header (top, middle, bottom) can be defined. In the area “Scale of the box width in%”, the size of the logo can be adjusted. At a size of 100%, the logo can occupy the entire outer third of the questionnaire header. If the percentage is decreased, the logo is scaled down accordingly.

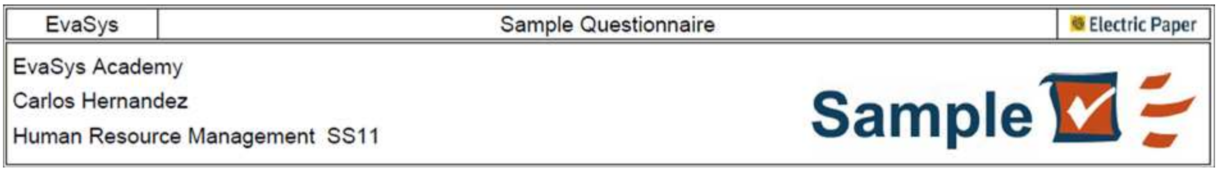
The following illustrations give an example of a questionnaire header expanded to three lines with adjusted placeholders and custom logo in the editor view as well as in a PDF:



EvaSys | Sample Questionnaire | Electric Paper

[ORGANIZATION] [+]
[AUTHOR] [+]
[SURVEY] [PERIOD]

Figure 517: Adjusted Form Header (Editor View)



EvaSys | Sample Questionnaire | Electric Paper

EvaSys Academy
Carlos Hernandez
Human Resource Management SS11

Figure 518: Adjusted Form Header (PDF)

Alternatively for hybrid surveys, a QR code can be integrated into the questionnaires. Participants with mobile devices then have the opportunity to scan the QR code from the questionnaire header and to complete the questionnaire as an online form. The QR code displayed in the editor preview and QR code on the sample questionnaire is just a placeholder. When creating a hybrid survey, it will be replaced with an individual QR code including a built in PSWD number and appear on each questionnaire. For use of QR codes in hybrid surveys see chapter B 3.8.4. "Application of QR Codes".

Note:
Only use QR Codes in questionnaires which are used solely for hybrid surveys. Also, always use the placeholder [PSWD] and [SERVER], to allow online access to participants without mobile devices.

2.5. Adding and Editing Question Groups

Question groups unite questions that are thematically similar under a general heading, so that, for example, indicators can be calculated.

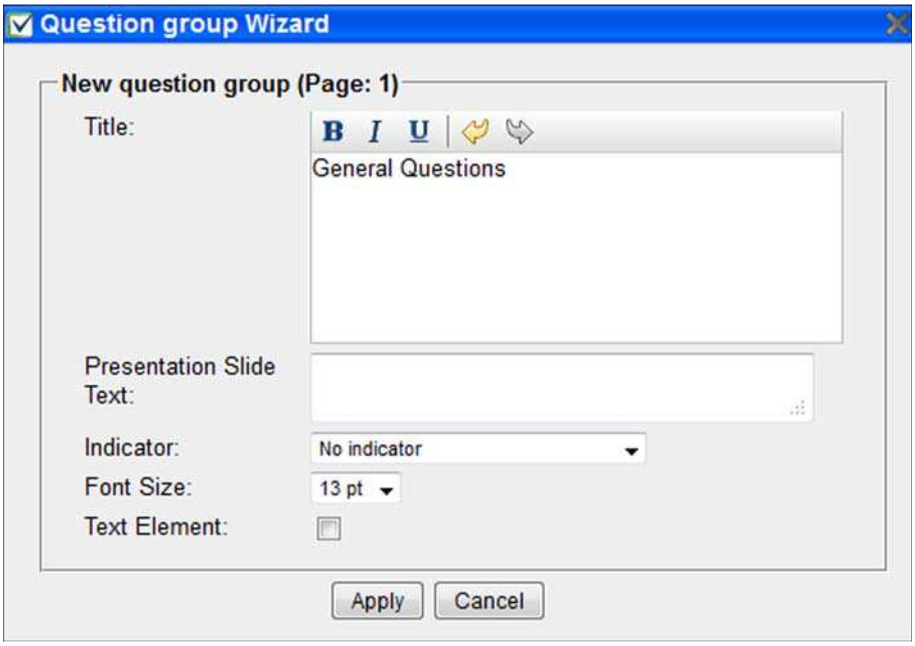
Text entries have the following meaning:

Title

Title of the question group

You can highlight the title of the question group (as you can with numerous other elements) with bold or italic fonts or by underlining. To do this, mark the desired element and click the buttons [B], [I] and/or [U] in the bar next to the lettering “Headline.

Above the [Arrow back] and [Arrow forward] buttons you can undo editing steps.



Title: General Questions

Presentation Slide Text:

Indicator: No indicator

Font Size: 13 pt

Text Element: ☐

Figure 519: Create a Question Group

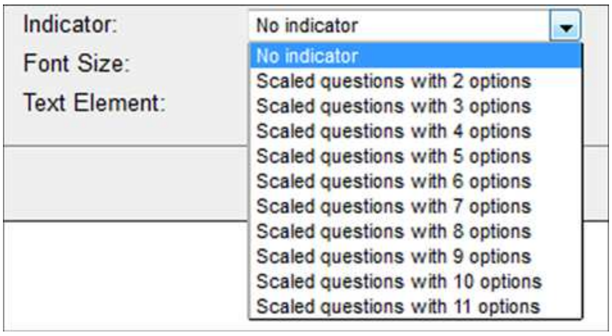
Presentation slide text

This text appears on the presentation slide in the PDF report in order to explain an indicator.

Please note: This option is only available when the creation of a presentation template is activated in the PDF report settings (“System Settings/Report Settings/Configuration”).

Indicator

Select a scale for the questions that are to be combined to an average.


Indicator: No indicator

Font Size:

Text Element:

No indicator
Scaled questions with 2 options
Scaled questions with 3 options
Scaled questions with 4 options
Scaled questions with 5 options
Scaled questions with 6 options
Scaled questions with 7 options
Scaled questions with 8 options
Scaled questions with 9 options
Scaled questions with 10 options
Scaled questions with 11 options

Figure 520: Indicator Selection of a Question Group

The possibility of highlighting the question groups is activated in the menu “Form Properties” in the VividForms Editor:

Font Size

Select the font size for the heading text from 7pt up to 20pt (default: resulting from the chosen default font size in the menu “System Settings/EvaSys Settings/VividForms/Default Font Size”)).

Note:
The maximum font size of the question group depends on the size of the line height defined for the questionnaire. Thus, to set a bigger font size for the question group it can be necessary to first enlarge the line height in the menu “Form Properties”.

Text Element

If you check this box then the question group will be changed into a text element. (This is only possible when adding a new question group).
Please Note: When changed into a text element, the question group loses its original function and becomes mere text. You can no longer add items such as questions or design elements to this redefined group.

Having made your settings and clicking on “Apply”, the chapter title will appear in the preview. You can open the properties of the question group again with a double click in the preview window or by using the symbol in the Editor Control menu “Edit” and the menu “Edit Question Group”.

Attention! Clicking on the symbol ✖ or on the text “Delete (Del)” in the menu “Clipboard” will delete the entire highlighted chapter as well as all of the questions in it, without any warning or confirmation.

Using the arrow symbols “Up” and “Down” in the menu “Move”, you can move entire chapters up or down. To move a chapter one page forwards or backwards, use the “Copy (Ctrl+C)” and “Paste (Ctrl+V)” function in the menu “Clipboard”.

2.6. Adding and Editing Questions

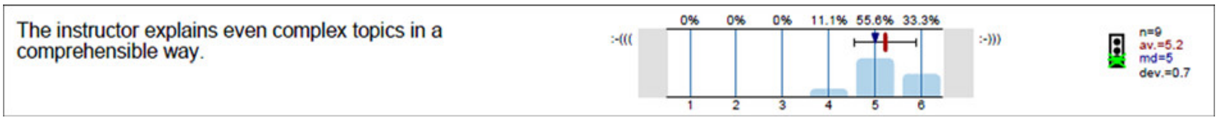
Should you wish to add a question to your questionnaire, choose the option “Add question” in the Editor Control. Please note: You cannot add questions without first having created a question group!

In a question group, single questions can be moved up or down by using either the arrow symbols and in the menu “Move”, or by ‘drag and drop’, i.e. by right clicking on the question and dragging it to the desired position. To move a question to another question group, you may either use ‘drag and drop’ or the cut and paste function in the menu “Move”.

2.6.1. Overview on the Question Types

Scaled Questions

Linear scales have up to 11 options. In addition to the question text there are two texts at the scale poles. Scaled questions can be grouped and averaged to indicators. Scaled questions are also available for generating cross tabulations. When needed a no opinion field can be added.

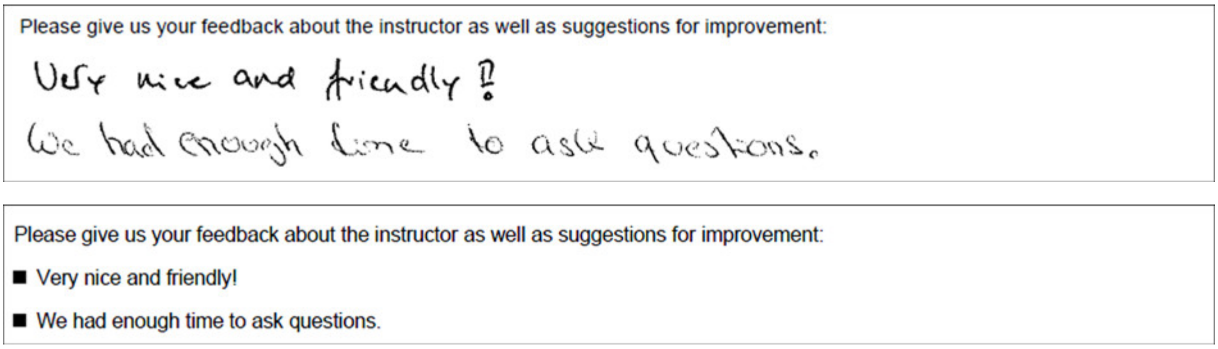


The instructor explains even complex topics in a comprehensible way.

Figure 521: Analysis of Scaled Questions

Open Questions

Responses to open questions are automatically recognized as answered during processing and are integrated in the report document as image files. If the responses have been manually anonymized or are part of an online survey then the responses are in machine print and can be exported together with the raw data.



Please give us your feedback about the instructor as well as suggestions for improvement:

Very nice and friendly !

We had enough time to ask questions.

Please give us your feedback about the instructor as well as suggestions for improvement:

- Very nice and friendly!
- We had enough time to ask questions.

Figure 522 (a): Illustration of a Result of an Open Question as Image File as well as (b) in Machine Print Form

ICR-Questions (handwriting recognition)

With the help of ICR questions, handwritten entries of participants can be automatically read and recognized. Participants make their entries in block letters or in one-line handwriting fields or segmented fields. In the PDF report, these ICR questions can be evaluated as open questions (in this case, all recognized entries are vertically listed) or as closed questions presented using bar charts.

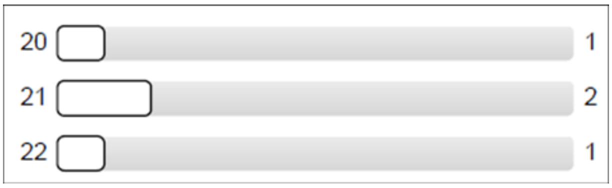


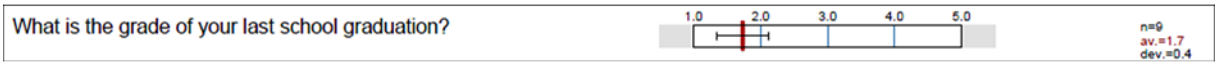
Figure 523: Presenting Results of an ICR Question with Bar Chart (As a Closed Question)

With the help of ICR questions, dates (such as date of birth, date of ex-matriculation etc.), names (first name, last name), customer number etc. can be captured.

Note:
To use ICR questions, it is necessary to purchase an additional ICR license, which is available as an EvaSys AddOn. If interested, please feel free to contact us. If you are interested in the ICR Add-on, please contact our sales department.

Grade Values

Survey participants check a value (paper survey), or give directly a grade value (online survey).



What is the grade of your last school graduation?

Figure 524: Illustration of a Question with Grade Value

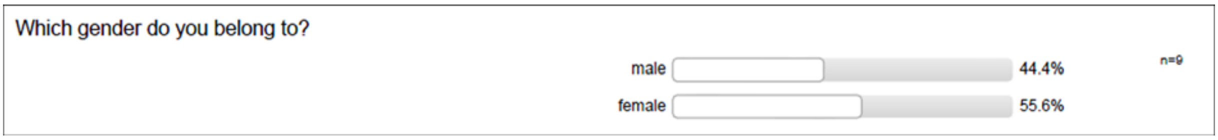
Single Choice (1 of n)

A single choice question has multiple answer options of which only one can be selected (e.g. age, gender, etc.).

Generally you can define as many answer options as necessary, as long as there is enough room left on the page. Nevertheless, there are differences within this question type resulting from the number of answer options provided:

For single choice questions with up to 11 answer options, the position of the options (next to/beneath the question text) can be freely defined. In the report all answer options will be displayed, regardless wether they have been marked on the questionnaires or not.

When a single choice question has more than 11 answer options, the options are always displayed beneath the question text. In the report only those options are displayed, which have at least been selected once by the participants.

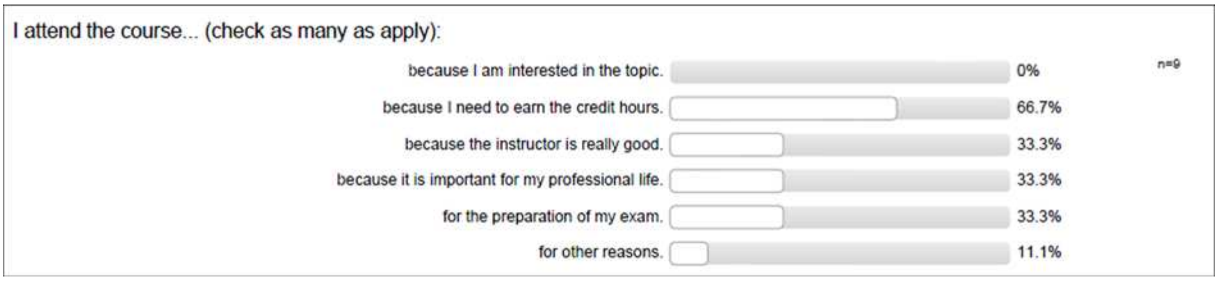


Which gender do you belong to?

Figure 525: Illustration of a Single Choice Question

Multiple Choice (m of n)

A multiple choice question can have unlimited options (unlimited means “as many options as fit on one page”). The options are considered yes/no questions, i.e. not marking an option is interpreted as a “no”. The number of selections per response option is for this reason the same as the number of returns.


I attend the course... (check as many as apply):

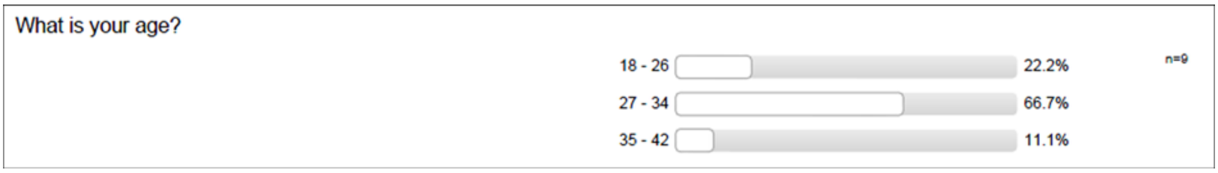
because I am interested in the topic.	0%	n=9
because I need to earn the credit hours.	66.7%	
because the instructor is really good.	33.3%	
because it is important for my professional life.	33.3%	
for the preparation of my exam.	33.3%	
for other reasons.	11.1%	

Figure 526: Illustration of a Multiple Choice Question

Matrix Field

The matrix field allows the capturing and evaluation of five digit numbers (horizontal matrix question) or 10 digit numbers (vertical matrix question).

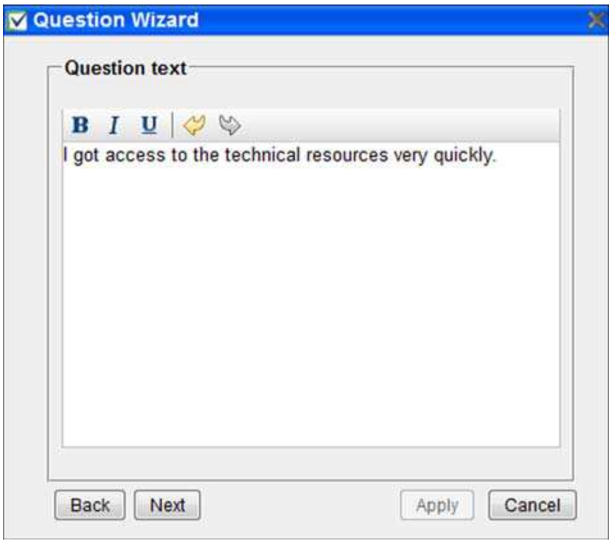
Analysis of matrix fields can portray numbers in any dimension.


What is your age?

18 - 26	22.2%	n=9
27 - 34	66.7%	
35 - 42	11.1%	

Figure 527: Illustration of a Matrix Field Question

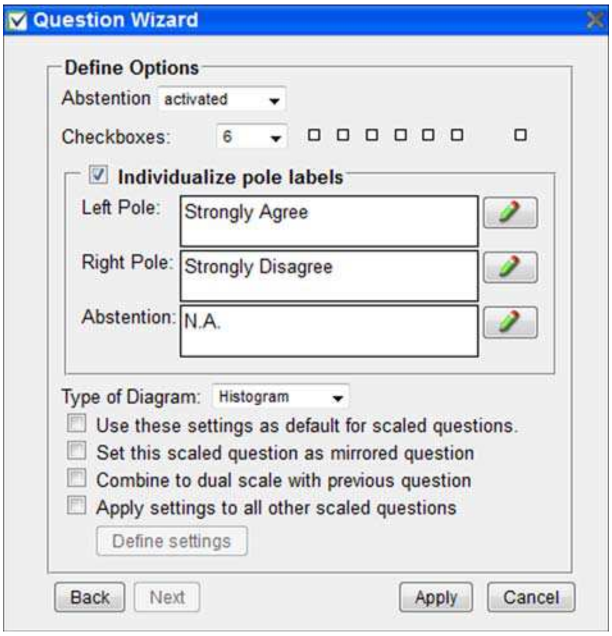
2.6.2. Scaled Question



I got access to the technical resources very quickly.

Figure 528: Scaled Question

Select the question type scaled question and click on [Next]. In the next step enter the question text and click on [Next].



Abstention: activated

Checkboxes: 6 ☐ ☐ ☐ ☐ ☐ ☐ ☐

☑ Individualize pole labels

Left Pole: Strongly Agree

Right Pole: Strongly Disagree

Abstention: N.A.

Type of Diagram: Histogram

☐ Use these settings as default for scaled questions.

☐ Set this scaled question as mirrored question

☐ Combine to dual scale with previous question

☐ Apply settings to all other scaled questions

Figure 529: Scaled Question: Individualize Pole Labels

The last step involves entering the text of the two poles and selecting the number of check fields. You have the choice between two and eleven fields.

The pole labels and the optional abstention text can be defined individually after enabling the checkbox “individualize pole labels“. Otherwise these labels remain empty or will be defined by the horizontal or vertical pole labels which can be generated separately.

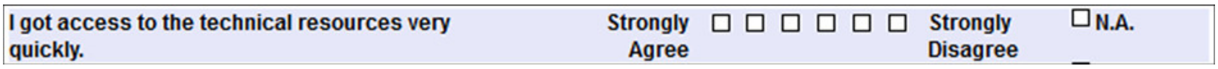
A choice of diagram types to be used in the report is available at the bottom.

Note: Experts may edit the appearance of the report graphics by editing the file lib.jpgraph.php in the EvaSys email folder. Contact your support representative to receive the necessary unencrypted file.

Information on further options when creating a scaled question can be found in the following sections.

Click on [Apply].

The scaled question will now appear in the preview and will be automatically highlighted.



I got access to the technical resources very quickly. Strongly Agree ☐ ☐ ☐ ☐ ☐ ☐ Strongly Disagree ☐ N.A.

Figure 530: Scaled Question in the Editor Preview

Use these settings as default for scaled questions

If you would like to apply the settings of the created scaled question (abstention, check boxes, pole texts, chart type, etc.) for all further scaled questions, activate the option, “Use these settings as default for scaled questions”. All scaled questions that you add afterwards, receive these settings per default.

Mirroring of Individual Scaled Questions

The VividForms Editor allows you to mirror individual scaled questions. Using this method, control questions can appear inverted in the survey but at the same time flow correctly into the calculation of the indicators.

On your questionnaire, you can establish mirrored scaled questions in two different ways:

1. by composing a question text in a negative way with the pole labels being consistent throughout the questionnaire, e.g. “The technical equipment is poor” with the pole labels “strongly agree” (left) and “strongly disagree” (right).
2. by inverting the pole labels for a question while the phrasing of the question remains positive, e.g. “The technical equipment is excellent” with the pole labels “strongly disagree” (left) and “strongly agree” (right). This method is only apt for scaled questions with individual pole labels.

To create a mirrored scaled question, click on the option “Set this scaled question as a mirrored question” whilst you are creating the scaled question. In the VividForms Editor preview, the scaled question is marked with a red arrow „↩“.

Dual Scale

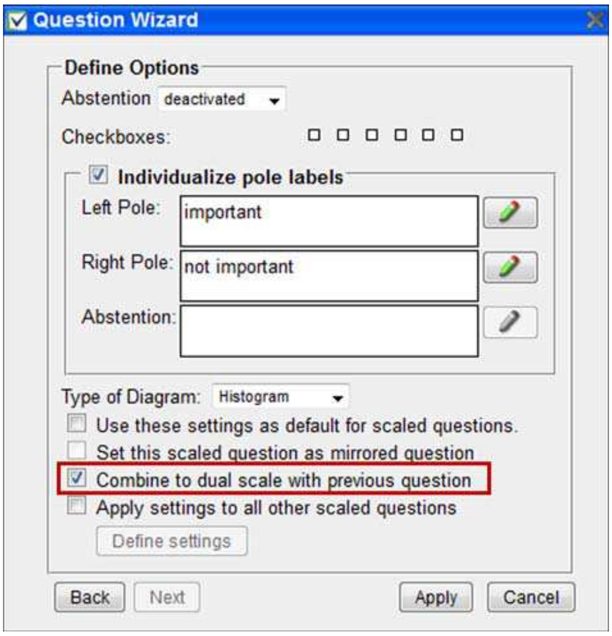
The combination of quality and importance (dual scale) is a frequently encountered question type. The purpose of the combination is to separate the important cases from the unimportant ones. Bad and unimportant as well as good and unimportant cases should be disregarded as negligible. The dual scale is helpful, in that it separates the relevant and irrelevant areas of a survey, therefore aiding target-oriented decision making. It is also a useful function for testing new items.

Note:

To use the dual scale, insert your scaled questions with individual pole labels as you are used to in the VividForms Editor. Please note the following:

- Scaled questions which are to be later linked to each other, need to have an identical scale (for example, both questions have a 6 point scale).
- The scale has to comprise 4-6 checkboxes (no longer/shorter scales possible).
- The quality rating of the poles must also be consistent with each other. This means that in quality questions, if the left pole is the positive one (very good/ agree), then in importance questions, the left pole has to be the positive one too (very important).
- The dual scale is only expedient if you have stored individual pole labels for each scaled question.

In the following example, a scaled question was first inserted on the quality of the technical equipment. Then, a second scaled question was inserted on the importance of the technical equipment. By activating the option “Combine to dual scale with previous question”, both of these scaled questions are linked to each other.



Abstention: deactivated

Checkboxes: ☐ ☐ ☐ ☐ ☐ ☐

☑ Individualize pole labels

Left Pole: important

Right Pole: not important

Abstention:

Type of Diagram: Histogram

☐ Use these settings as default for scaled questions.

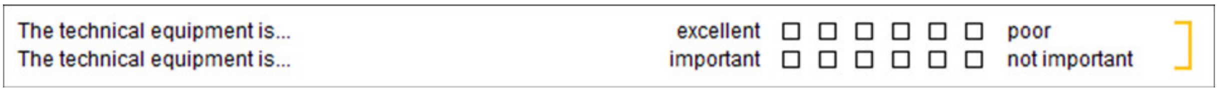
☐ Set this scaled question as mirrored question

☑ Combine to dual scale with previous question

☐ Apply settings to all other scaled questions

Figure 531: Combining Scaled Questions with each other (Dual Scale)

In the VividForms Editor, the activation of the dual scale, that is, the linking of a quality to an importance scaled question, is marked by a yellow bracket:



The technical equipment is... excellent ☐ ☐ ☐ ☐ ☐ ☐ poor
The technical equipment is... important ☐ ☐ ☐ ☐ ☐ ☐ not important

Figure 532: The marking of Scaled Questions in the VividForms Editor (Dual Scale)

Please note, moving, cutting out or deleting the scaled questions cancels the link.

Display in the PDF Report

In the menu “System Settings/Report Settings” you can change the configuration settings for every PDF report by clicking on the icon in the column “Configuration”. With the configuration setting “Dual scale profile line” you can activate the display of the dual scale in the PDF report. By selecting “0” the display of the dual scale is deactivated. By selecting “1” you define that the critical values appear on the left side of the scale, with “2”, the critical values appear on the right side of the scale.

The critical values are calculated by subtracting the result of the quality question (a) from the result of the importance question (b). On a 6 point scale, the values range between -5 and +5. Values of +1 to +5 are considered critical as soon as the positive pole (agree/very important) in the questionnaire, appears on the left side. Values from –1 to –5 are considered critical as soon as the positive pole (agree/very important) in the questionnaire appears, on the right side.

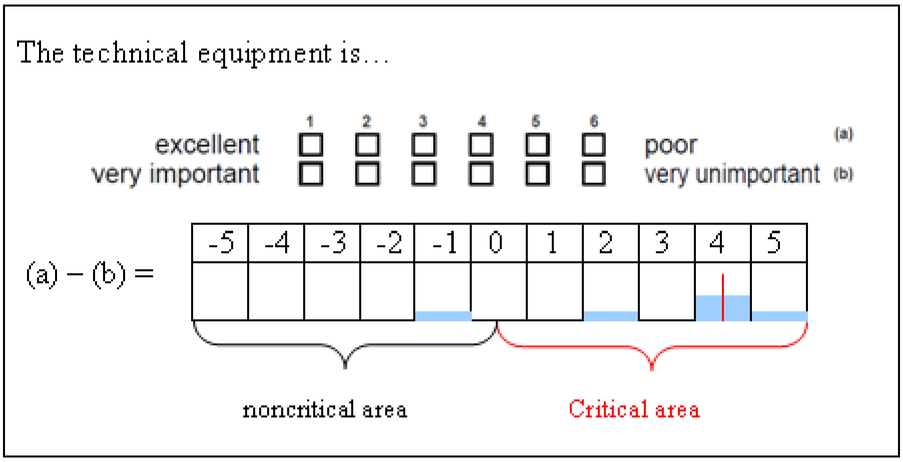

The technical equipment is...
1
2
3
4
5
6
excellent
very important
poor
very unimportant
(a)
(b)
(a) − (b) =
-5
-4
-3
-2
-1
0
1
2
3
4
5
noncritical area
Critical area

Figure 533: Explanation of the Dual Scale Calculation

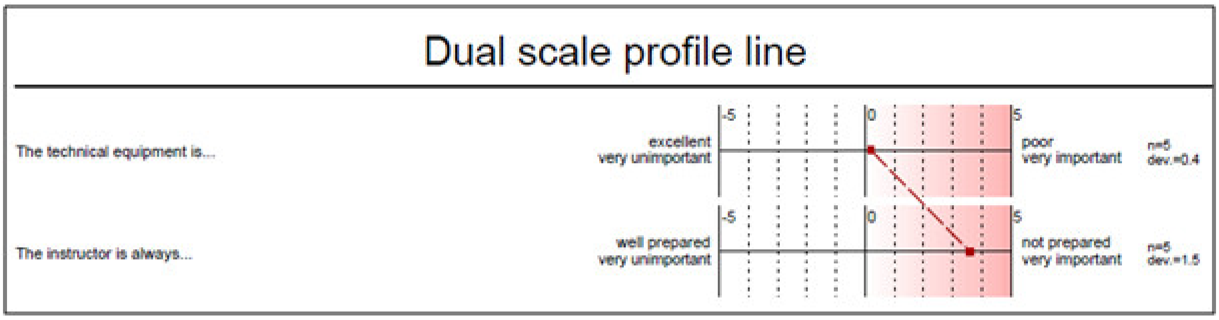
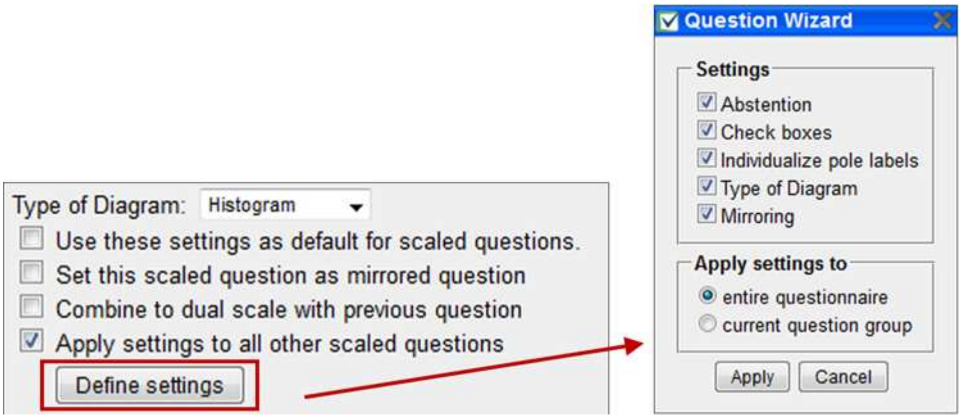


Figure 534: Dual Scale Profile Line of the linked Scaled Questions in the PDF Report

Apply settings to all other scaled questions

You can, if required, apply the settings for a scaled question to all the scaled questions already available on the questionnaire.

For this, activate the option “Apply settings to all other scaled questions” and click on the button [Define settings]. A window will then open, where you can determine which settings should be applied, and define if the selected settings should be applied for the complete questionnaire, or just for the current question group.



Type of Diagram: Histogram

☐ Use these settings as default for scaled questions.

☐ Set this scaled question as mirrored question

☐ Combine to dual scale with previous question

☑ Apply settings to all other scaled questions

Question Wizard

Settings

☑ Abstention

☑ Check boxes

☑ Individualize pole labels

☑ Type of Diagram

☑ Mirroring

Apply settings to

● entire questionnaire

○ current question group

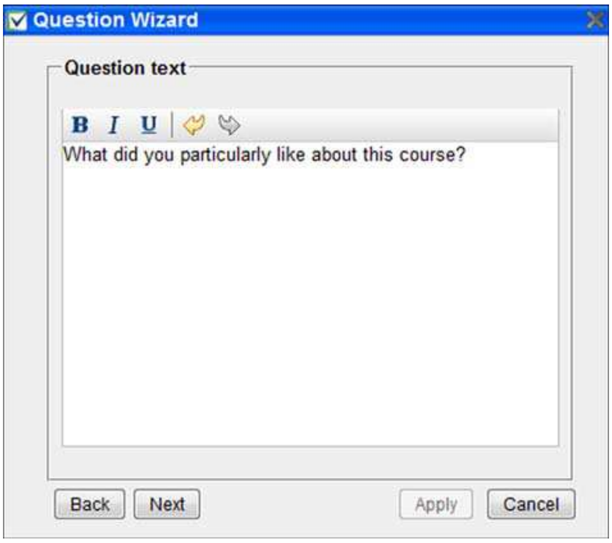
Define settings
Apply
Cancel

Figure 535: Scaled Question: Apply Settings to all other Scaled Questions

To apply the settings, close each of the opened windows with the button [Apply].

2.6.3. Open Question

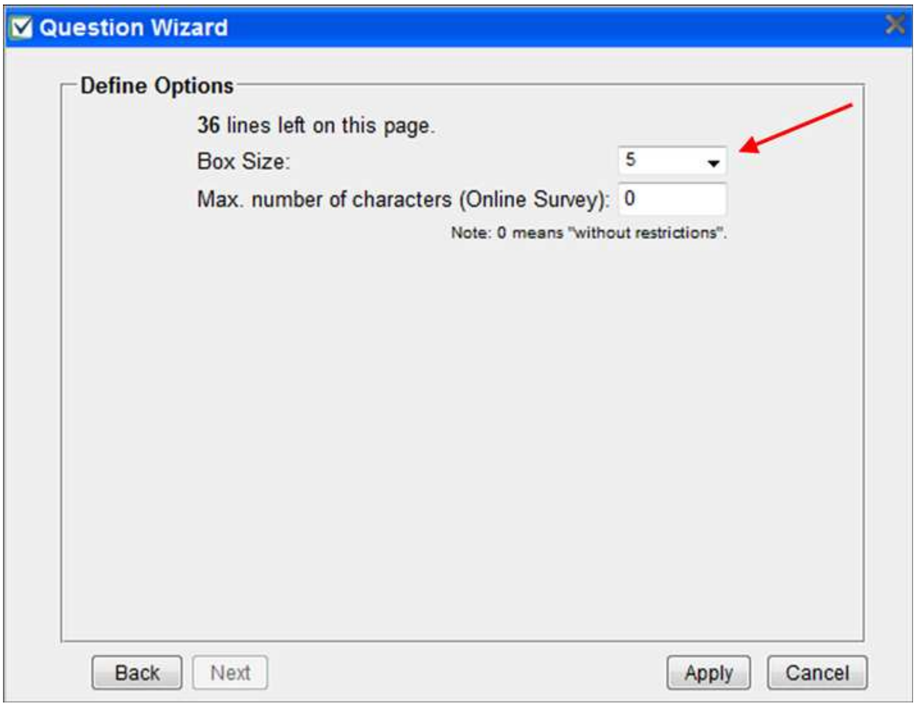
Select the question type open question and click on [Next]. You can now enter the text of the open question.


Question Wizard
Question text
B I U
Back
Next
Apply
Cancel

What did you particularly like about this course?

Figure 536: Open Question: Enter the Question Text

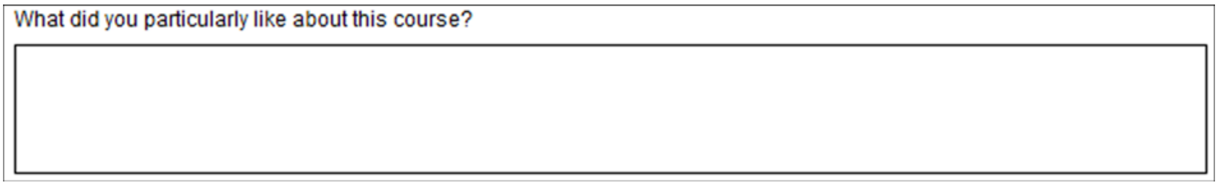
Now click on [Next] and choose the size of the comment box depending on the number of lines needed. Any number of lines up to the whole remaining page area may be selected. The maximum number of characters allowed for the answer can also be defined for online surveys.


Question Wizard
Define Options
Back
Next
Apply
Cancel

36 lines left on this page.
Box Size: 5
Max. number of characters (Online Survey): 0
Note: 0 means "without restrictions".

Figure 537: Open Question: Define the Required Space

After having defined all options click on [Apply]. The open question will now appear in the preview and will be automatically highlighted.



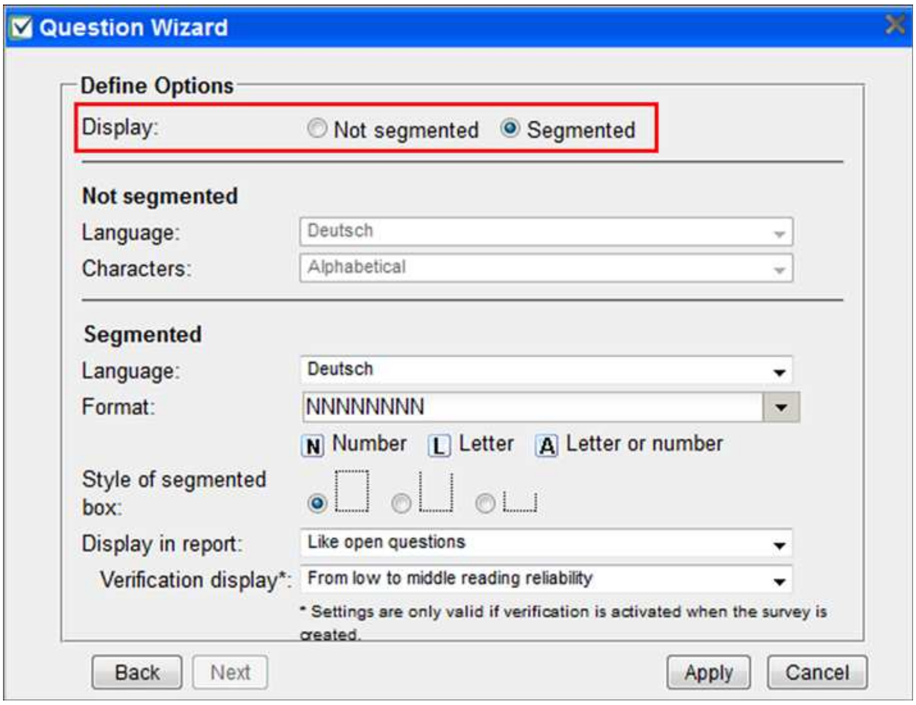
What did you particularly like about this course?

Figure 538: Open Question in the Editor Preview

2.6.4. ICR-Question (Handwriting Recognition)

EvaSys supports handwriting recognition via ICR. With the help of handwriting recognition, short handwritten texts can be read and processed automatically. This feature is only available when licensed. For further information please contact your vendor.

Select “ICR Question (Handwriting recognition)” as the question type, and click on [Next]. In the display area there are two basic options available: segmented and non-segmented presentation.



Define Options

Display: ○ Not segmented ● Segmented

Not segmented

Language: Deutsch

Characters: Alphabetical

Segmented

Language: Deutsch

Format: NNNNNNNN

N Number L Letter A Letter or number

Style of segmented box: ● ○ ○

Display in report: Like open questions

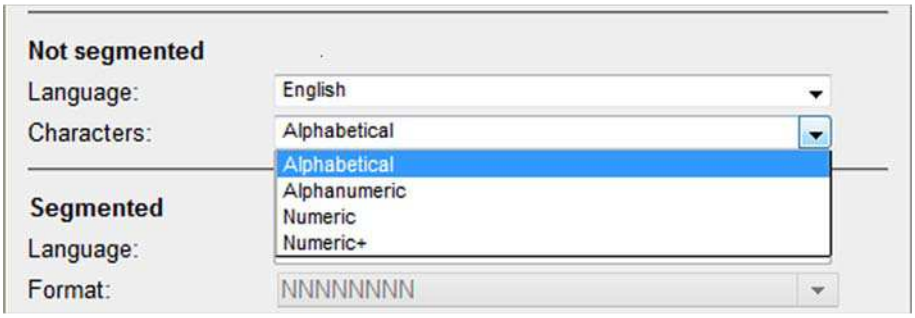
Verification display*: From low to middle reading reliability

* Settings are only valid if verification is activated when the survey is created.

Figure 539: ICR Question: Types of Presentation

In the non-segmented presentation, a one-line handwriting field without subdivision is displayed. For recognition, the language (German/English) as well as the type of characters to be read are defined. Four character types are available:

- Alphabetical = letters only
- Alphanumeric = letters and numbers
- Numeric = numbers only
- Numeric+ = numbers and special characters: $ / * + , - . < > = ~ @ € £ ¥ ¢ '



Not segmented

Language: English

Characters: Alphabetical

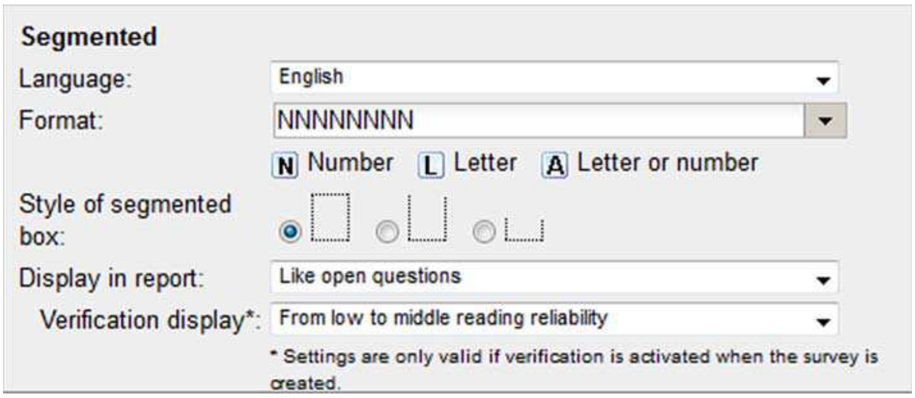
Segmented

Language:

Format: NNNNNNNN

Figure 540: ICR-Question: Choice of Character Types

For the segmented presentation of the ICR question, a number of settings are available. In addition to the language, the format of the segmented fields is predefined. From the drop down menu, predefined formats such as dates (e.g. NN"/"NN"/"NNNN) can be selected as well as your own new formats, such as for customer numbers, etc. can be stored.



Segmented

Language: English

Format: NNNNNNNN

Style of segmented box: ● ○ ○

Display in report: Like open questions

Verification display*: From low to middle reading reliability

* Settings are only valid if verification is activated when the survey is created.

Figure 541: ICR Question: Setting Segmentation

The following options are available for own formats

- N for numerical entries
- L for alphabetical entries
- A for alphanumerical entries as well as special characters.

To define your own format, delete the default format in the input field and enter your new format using the keyboard or by clicking the buttons [N], [L] and [A]. Please note that if you use any separating characters you have to set them in inverted commas (eg “/”), otherwise, they will not be recognized as such by EvaSys.

Hint:

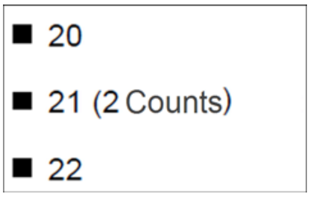
Internal tests during quality assurance have shown that the average recognition rate for numerical values is the highest; around 99% of values are correctly recognized. For the alphabetical values, the recognition rate is also very high, lying at around 90%. Because of the elaborate character set, recording alpha-numerical values has the lowest recognition rate, with around 74%.

For this reason, to achieve the greatest possible reading reliability, assign the individual segments numerical or alphabetical character formats if you can. This significantly reduces the complexity of the subsequent verification.

Also, for segmentation different styles can be selected: the fields can be presented closed at the top, top open or half open. The selected segmentation is shown not only on paper questionnaires, but in the online survey too.

In addition to segmentation, the presentation of an ICR question in the PDF report can be specified. Here there are the following options:

- Like an open question: In this case, the results are displayed individually one below the other, analogous to the results of an open question. Identical entries are concentrated and have “mentions” added to the corresponding number (for example: 21337 (2 mentions).



- ■ 20
- ■ 21 (2 Counts)
- ■ 22

Figure 542: ICR Question: Display like an open question

- Bar for every mention: The results are analyzed using bar charts, with each answer option receiving its own bar. Identical entries are concentrated. This option is recommended for double-digit numbers at maximum.

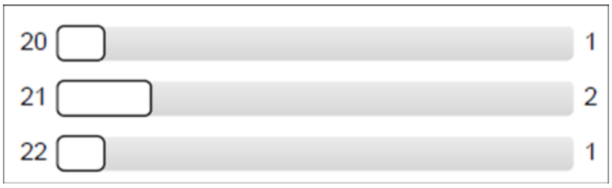


Figure 543: ICR Question: Display with bars for every mention

- Bar for mentions across 10 groups: The results are analyzed in a bar chart. The group number relates to the number of bars (here 10) that should be displayed later in the PDF report as the analysis of this question. In this way, numerical queries in the value range 0-999 (format: “NNN”) are divided into the following 10 groups: 0-99; 100-199; 200-299; ... ; 900-999.

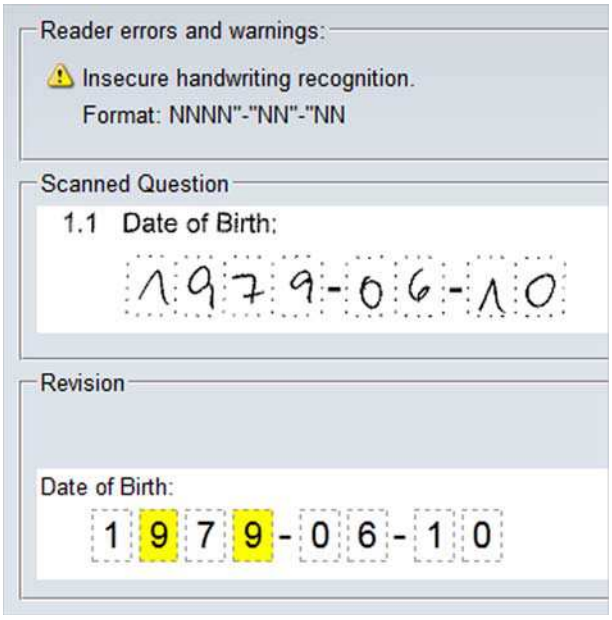
Note:
Please note that the options “bar for every mention” and “bar for mentions across 10 groups” are only available for segmented numerical ICR questions.

Each segmented ICR question can also be individually defined as to when it should be displayed in the verification. The following settings are available in EvaSys:

- Always: The question is always displayed in the verification, regardless of the Reader's reading reliability. This option should be used when the unread characters should be captured exactly.
- From low to high reading reliability: The question is very likely to appear in the verification. Only when all entries of the ICR question have been recognized with absolute certainty does it not appear in the verification.
- From low to middle reading reliability: Only ICR questions that the Reader has recognized with low to medium reading reliability are displayed in the verification.
- Only when reading reliability is low: Only ICR questions that the Reader has recognized with low reading reliability are displayed in the verification. All other questions (medium to high reading reliability) are not displayed in the verification. This option is suitable when the verification requirements should be as low as possible, and when, under certain circumstances, incorrectly read values can be accepted.

Note:
Please note that the settings for verification only apply if the verification is activated when the survey is created.

The characters that have been securely read in the verification are highlighted in white, while those that have been insecurely read are highlighted in yellow, speeding up verification.


Reader errors and warnings:

⚠ Insecure handwriting recognition.
Format: NNNN"-"NN"-"NN

Scanned Question

1.1 Date of Birth:

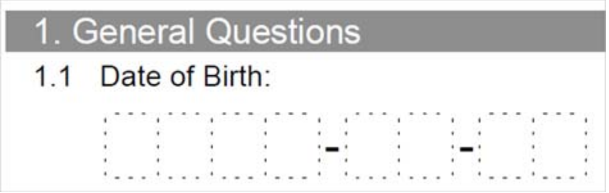
Revision

Date of Birth:

1979-06-10

Figure 544: Open question: ICR fields in the verification

By clicking the button [Apply] the open question is inserted into the questionnaire.


1. General Questions

1.1 Date of Birth:

Figure 545: Open Question: Segmented Fields in the Editor Preview

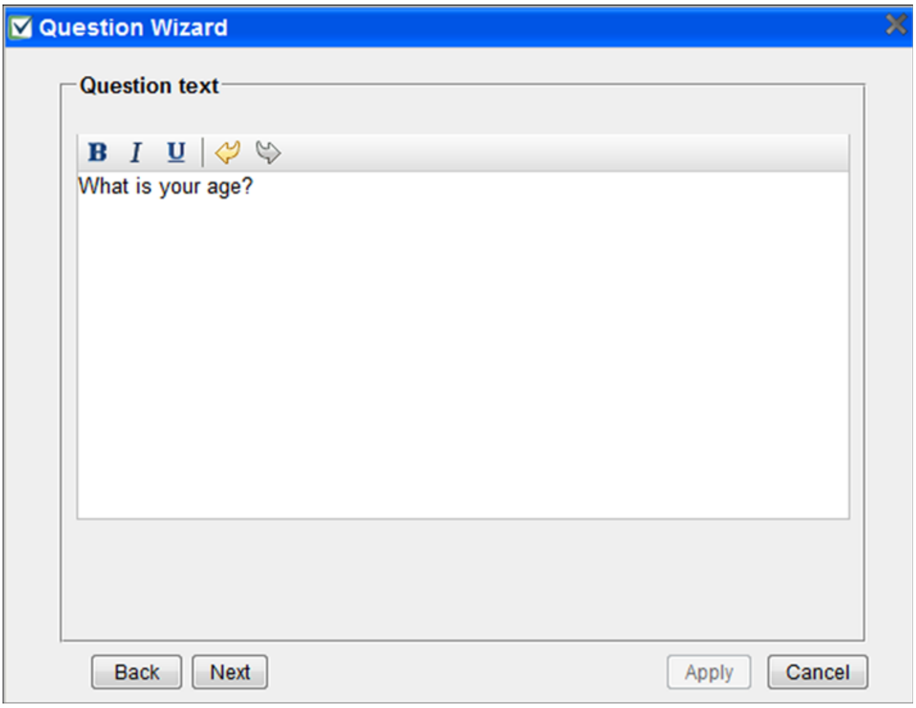
Note:
Only clear and neat entries written in block letters can be read automatically. As the available length of entries is limited, handwriting recognition is not apt for capturing elaborate comments. It is designed as a means to capture data in form of single words.

If you create a survey with a questionnaire which contains open questions with handwriting recognition, the “verification” is automatically activated. This can be deactivated if desired.

To ensure a high reliability of results we also strongly recommend the use of verification when working with open questions and ICR (for the use of verification see chapter B 4.3. "Correction of Checkboxes not Clearly Read: The Verification").

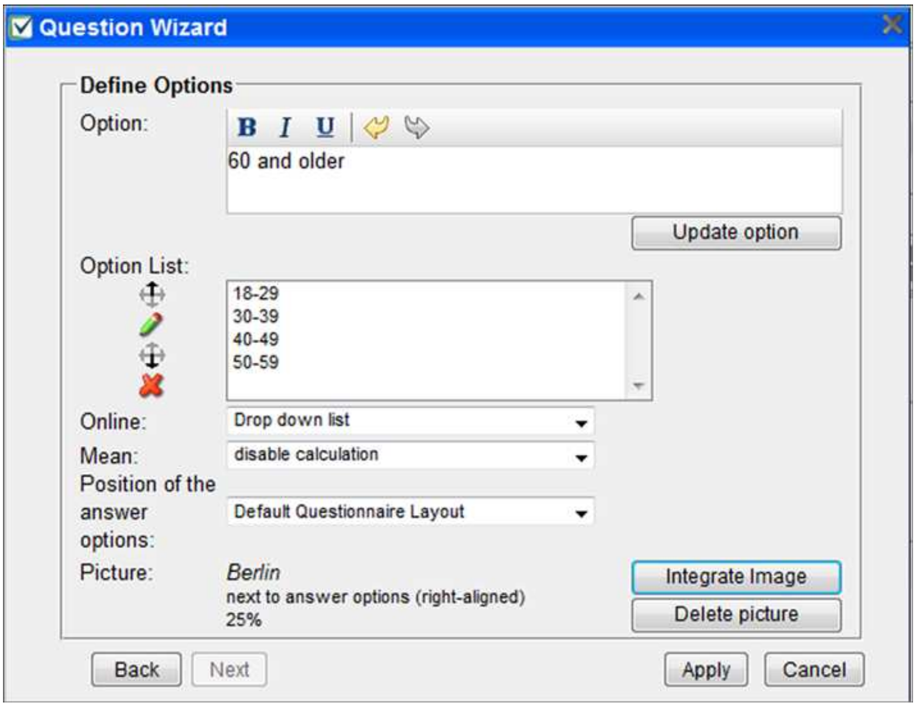
2.6.5. Single Choice/Multiple Choice Question

Select the single choice question type and click on [Next]. You can now enter the text of the question and then click on [Next].


Question Wizard
Question text
B
I
U
Back
Next
Apply
Cancel

What is your age?

Figure 546: Single Choice Question: Enter the Question Text


Question Wizard
Define Options
B
I
U
Update option
Integrate Image
Delete picture
Back
Next
Apply
Cancel

Option: 60 and older

Option List:
18-29
30-39
40-49
50-59

Online: Drop down list

Mean: disable calculation

Position of the answer options: Default Questionnaire Layout

Picture: *Berlin*
next to answer options (right-aligned)
25%

Figure 547: Single Choice Question: Enter the Answer Options

Next to “Option” enter the text for the first option and click on [Add option]. The option will now appear in the option list. Repeat this procedure until you have entered all the options.

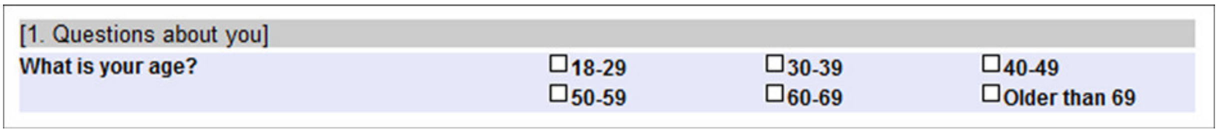
You can highlight each option, edit or change their sequence by clicking on the symbols ↑, ↓ and ✎.

Settings for the display in online surveys can be made for both single choice question types. You can choose between the drop-down list and checkbox list.

For paper based surveys the alignment of answer options of single choice questions can either be set to “next to the question text” or “beneath the question text”. For questions with more than 11 answer options, only the option “beneath the question text” can be selected. The option “Default Questionnaire Layout“ refers to the settings defined in the menu “Form Properties/Layout settings“. Further information can be found in chapter C 2.11. "Layout Settings".

After all the options have been entered, click on [Apply].

The single choice question will now appear in the preview and will be automatically highlighted.



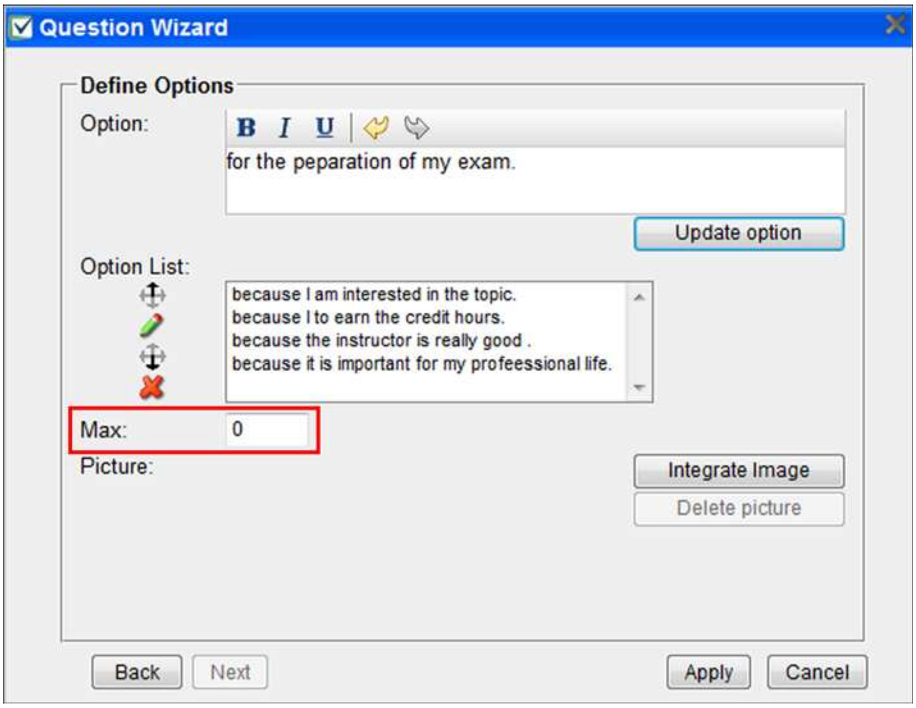
[1. Questions about you]

What is your age?

☐18-29 ☐30-39 ☐40-49
☐50-59 ☐60-69 ☐Older than 69

Figure 548: Single Choice Question in the Editor Preview

The ability to limit the number of possible answers is a specific feature of multiple choice questions. The value “Max:” is predefined with zero which allows all options to be selected. Enter a number here to limit the available options.



Define Options

Option: for the peparation of my exam.

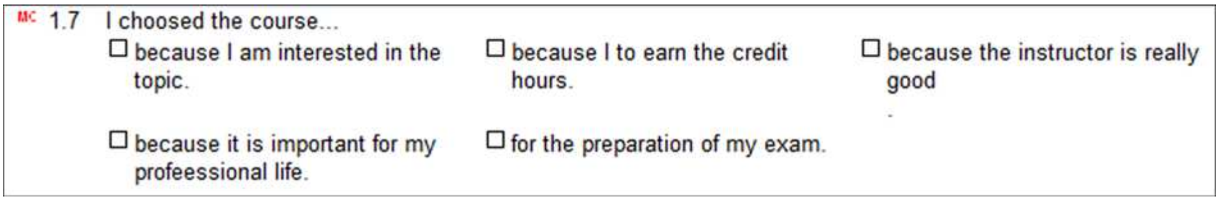
Option List:
because I am interested in the topic.
because I to earn the credit hours.
because the instructor is really good .
because it is important for my profeessional life.

Max: 0

Picture:

Figure 549: Multiple Choice Question: Enter the Answer Possibilities

In the Editor preview, multiple choice questions are marked with a red “MC”. This is, of course, not visible in the PDF.


MC 1.7 I choosed the course...

☐ because I am interested in the topic.
☐ because I to earn the credit hours.
☐ because the instructor is really good .
☐ because it is important for my profeessional life.
☐ for the preparation of my exam.

Figure 550: Multiple Choice Question in the Editor Preview

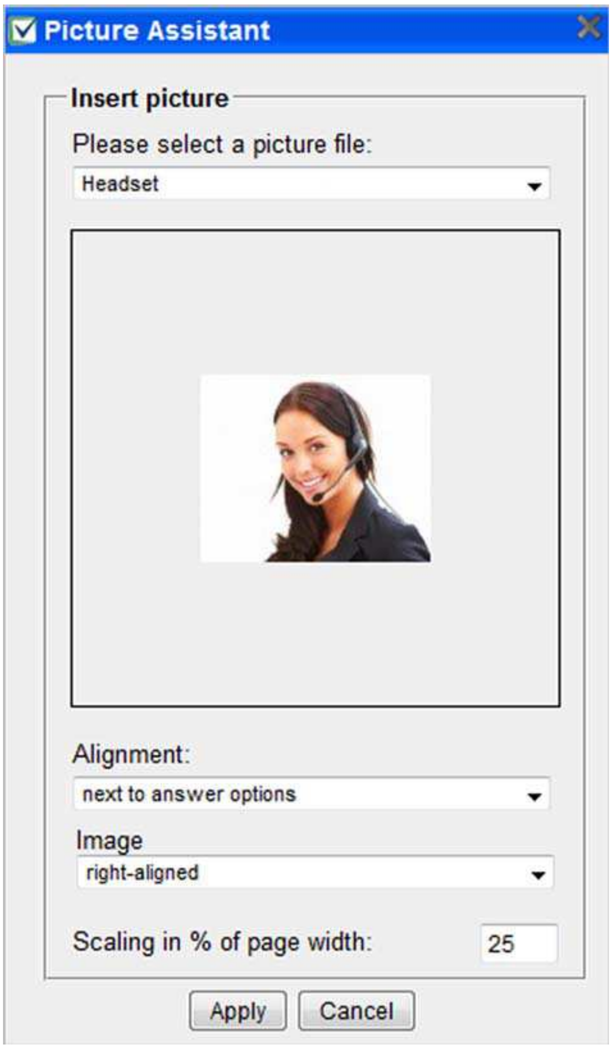
For both single choice questions as well as multiple-choice questions, there is the option to integrate an image into the question. To do this, click the button [Integrate image] in the “Image” section. An image selection wizard opens, which allows you to select the appropriate image. It is immediately shown in the preview.

Note:
Please note, images must first be uploaded in the menu “Form Attributes/Image Library”, before they are offered for selection. To upload images please see chapter C 2.10.1. "Upload Pictures to the Picture Library"

There are different possibilities available for the alignment of the image:

- Next to answer options (default setting)
- Between question text and answer options
- Below question text and answer options
- Next to question text and answer options

You can also decide whether the image should be aligned left or right. With the help of the value in the "scaling in % of page width", the size of the image can be matched to the questionnaires.



Please select a picture file: Headset

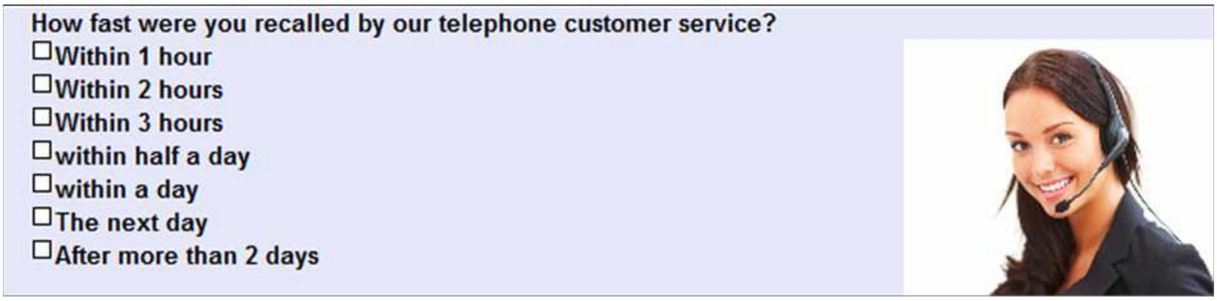
Alignment: next to answer options

Image: right-aligned

Scaling in % of page width: 25

Figure 551: Integrating Images into Single Choice and Multiple Choice Questions

Click [Apply] to save the settings. When the question is inserted, the image is presented in the desired position on the questionnaire.



How fast were you recalled by our telephone customer service?

☐ Within 1 hour
☐ Within 2 hours
☐ Within 3 hours
☐ within half a day
☐ within a day
☐ The next day
☐ After more than 2 days

Figure 552: Single Choice Question with Integrated Image

2.6.6. Horizontal Matrix Question

The horizontal matrix question enables you to display five digit numbers.

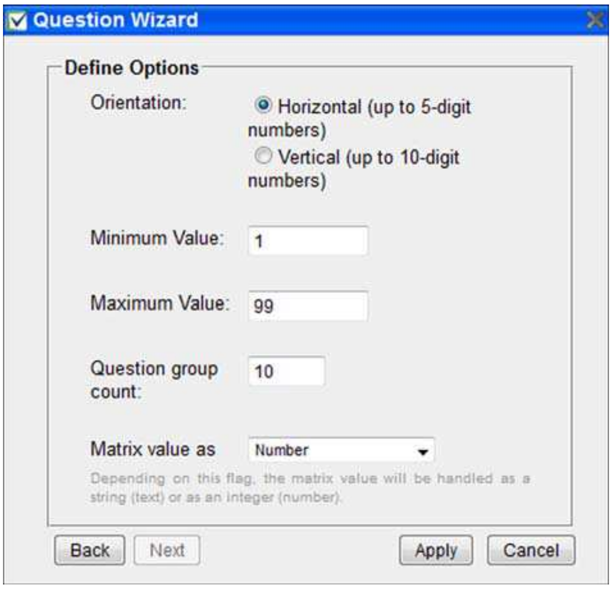
Select the matrix field question type and click on [Next]. You can now enter the text of the question. Then click on [Next].

In the next window, select the matrix question type (horizontal or vertical), the minimum and maximum value, the number of groups in the PDF report, and the method of capturing the matrix value.

In this example the minimum value is set at 1, the maximum value at 99.

The group number refers to the number of bars that will represent the analysis of this question in the PDF report. A group number of 10 corresponds to the value areas of 1-9, 10-19, 20-29 […] 90-99, that is ten groups. If the number of groups is left at the default value of 0, then each value will be displayed individually in the bar chart of the PDF report.

Furthermore the entry in the matrix field can be read as a natural number or text, i.e. to be read as a string of characters. When capturing matrix values as text, it is possible that a series of numbers with leading zeros, i.e. as can occur in postal codes, can be captured correctly.



Question Wizard

Define Options

Orientation: ● Horizontal (up to 5-digit numbers) ○ Vertical (up to 10-digit numbers)

Minimum Value: 1

Maximum Value: 99

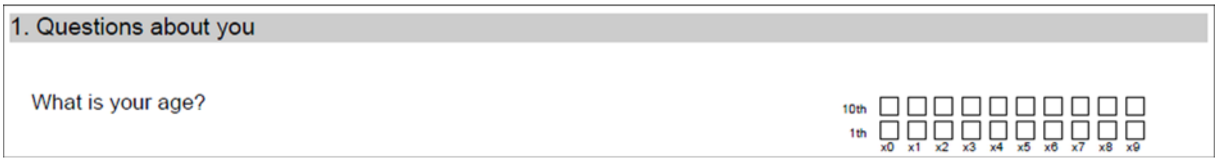
Question group count: 10

Matrix value as: Number

Depending on this flag, the matrix value will be handled as a string (text) or as an integer (number).

Figure 553: Create a Horizontal Matrix Question

On the questionnaire, the question regarding age is shown as a two row matrix. Respondents can mark the 10's in the top row, and the 1's in the lower row.



1. Questions about you

What is your age?

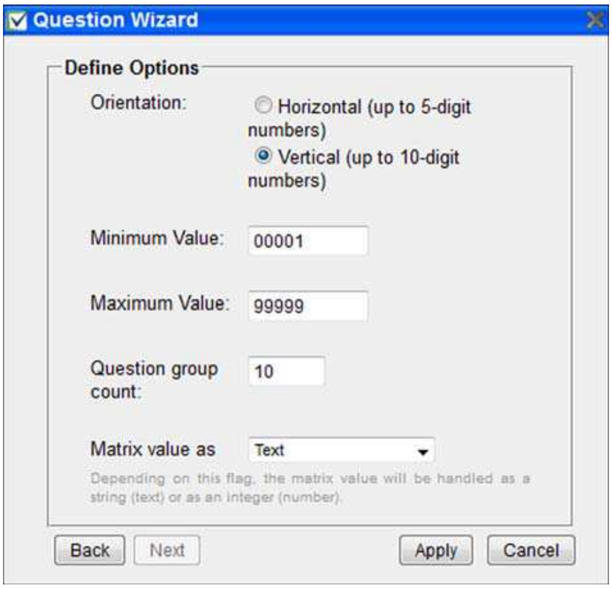
Figure 554: Horizontal Matrix Question in the PDF-Preview

2.6.7. Vertical Matrix Question

With the vertical matrix question up to ten digit numbers can be entered, i.e. student number, zip codes, etc.

Select the question type matrix field and click [Next]. You can now enter the text of the question. Then click [Next].

In this example, a vertical matrix question was selected with a minimum value of 00001 and a maximum value of 99999. In the report, the results are presented in 10 categories. In order to also register leading zeros, the matrix value is captured as text.



Question Wizard

Define Options

Orientation: ○ Horizontal (up to 5-digit numbers) ● Vertical (up to 10-digit numbers)

Minimum Value: 00001

Maximum Value: 99999

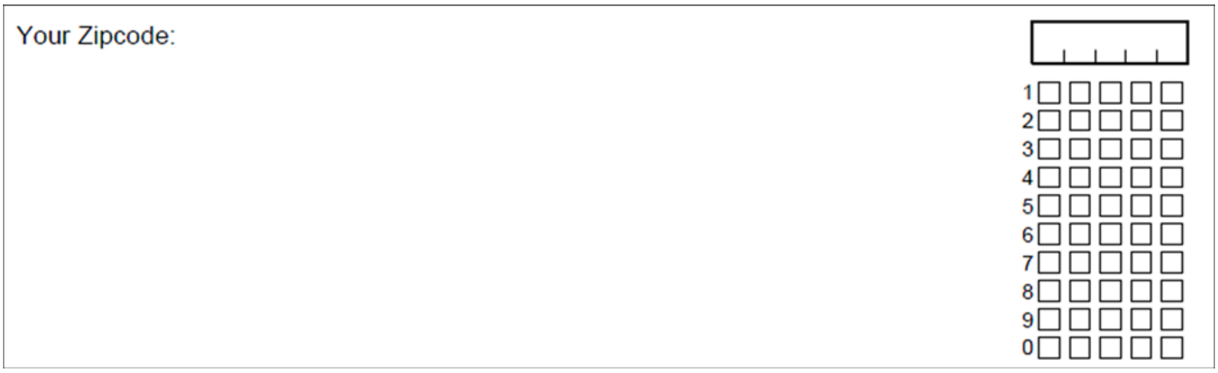
Question group count: 10

Matrix value as: Text

Depending on this flag, the matrix value will be handled as a string (text) or as an integer (number).

Figure 555: Create Vertical Matrix Question

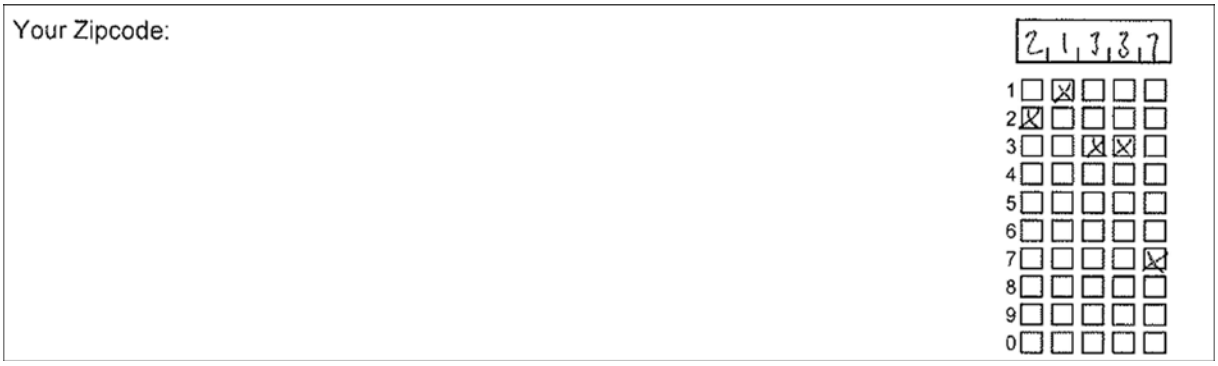
The PDF preview of this vertical matrix question looks as follows:



Your Zipcode:

Figure 556: Vertical Matrix Question in the PDF Preview

When filled out, such a matrix question could, for example, look like this:



Your Zipcode:

Figure 557: Completed Vertical Matrix Question

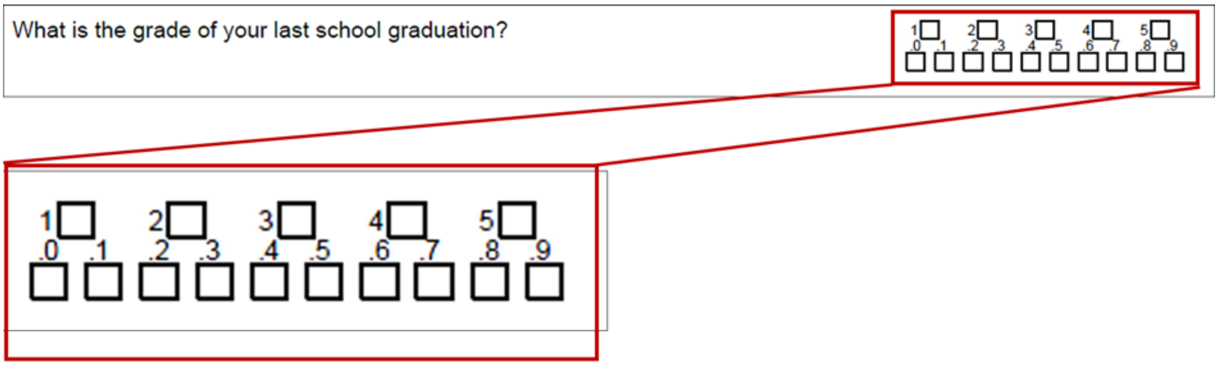
Note:

The handwritten numbers only serve for clarity (so the student/participant or if necessary the verifier, can check the entry). They will not be read in!

As an alternative to the matrix question and to avoid errors by the participants when they are filling out the form, an ICR question can also be used to record numerical values. The handwritten numerical entries are then automatically analyzed. For more information on the ICR question, seechapter C 2.6.4. "ICR-Question (Handwriting Recognition)"

2.6.8. Grade Value

Select the grade value question type and click on [Next]. You can now enter the question text and then click on [Apply].



What is the grade of your last school graduation?

Figure 558: Grade Value in the PDF Preview

The survey participant can now give a grade by checking a place before and after the decimal point.

The advantage of this method is that the high accuracy of checkboxes makes it unnecessary to use ICR for handprint recognition, which would mean a considerable amount of review and correction. Please note that only values between 1.0 and 5.0 will be considered.

2.7. Adapting the Size of Answer Boxes

You can change the size of your answer boxes in the VividForms Editor under “Form properties”. You have five sizes (8pt, 9pt, 10pt, 11pt and 12pt) to choose from:

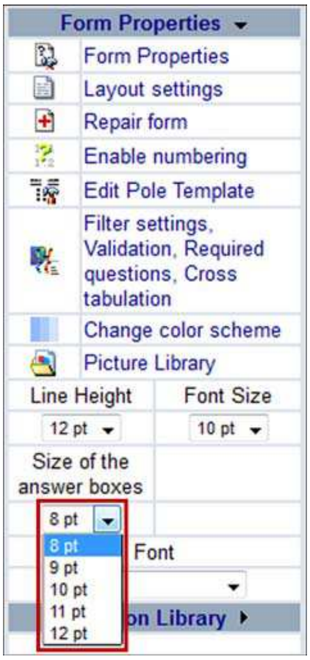

Form Properties
Form Properties
Layout settings
Repair form
Enable numbering
Edit Pole Template
Filter settings, Validation, Required questions, Cross tabulation
Change color scheme
Picture Library
Line Height
12 pt
Font Size
10 pt
Size of the answer boxes
8 pt
8 pt
9 pt
10 pt
11 pt
12 pt
Font
on Library

Figure 559: Adapting the Size of Answer Boxes

Note:
Line spacing must be at least 2pt greater than the answer box size.

If, for example, you have defined a line spacing of 11pt and then set your answer box size up to 11pt, the system automatically increases the line spacing to 13pt.

If you reduce the line spacing, EvaSys automatically reduces the size of your answer boxes so that, as a basic principle, a minimal difference in size of 2pt is ensured.

Hint:
In order to achieve an appealing layout for your questionnaires, we recommend selecting a minimal difference in size of at least 3pt in relation to the size of your answer boxes.

Attention:
The larger the answer boxes, the fewer can be displayed.

With a scaled question with 11 response possibilities, your answer box size will be 8pt. Now if you increase your answer box size to 9pt, for reasons of available space, only 10 answer boxes will be displayed. With a answer box size of 10pt, you can only display 9 answer boxes. With a answer box size of 11pt or 12pt, only 8 or 7 answer boxes are displayed, and so on. (Before applying the change, you will get a warning message. If you then click on [Cancel], your changes will not be applied).

Decreasing the number of answer boxes follows automatically in the system when increasing the answer box size. If you decrease the size of the answer boxes afterwards, the number of answer boxes displayed, will not, however, be automatically increased by the system. This means, that when decreasing the size of the answer boxes, you have to increase manually the number of answer boxes. To do this, double click on the corresponding scaled question and select in the area of “Define options”, as in creating a scaled question, the number of desired answer boxes.

With all other question types, an increase in the size of the answer boxes has no effect on the question.

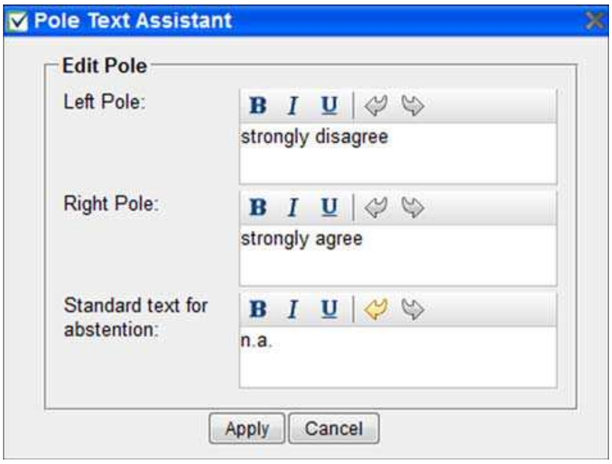
These changes (decrease in the number of answer boxes) only occur with scaled questions, other question types are not affected.

2.8. Adding Pole Labels

2.8.1. Horizontal Pole Labels

This function allows pole label headers for groups of scaled questions to be defined.

Firstly it requires the section “Form Properties” in the VividForms Editor control to be opened. Select the option “ Edit pole template“.



Left Pole: strongly disagree

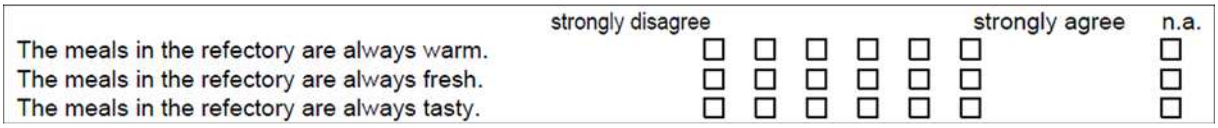
Right Pole: strongly agree

Standard text for abstention: n.a.

Figure 560: Edit Pole Template

Enter the text elements which should be used for the labels and click [Apply].

Next create a new question group. Now the option “ Pole Labels” in the section “Add” can be selected. Click on “ Pole Labels” to add them to the questionnaire.



	strongly disagree					strongly agree	n.a.
The meals in the refectory are always warm.	☐	☐	☐	☐	☐	☐	☐
The meals in the refectory are always fresh.	☐	☐	☐	☐	☐	☐	☐
The meals in the refectory are always tasty.	☐	☐	☐	☐	☐	☐	☐

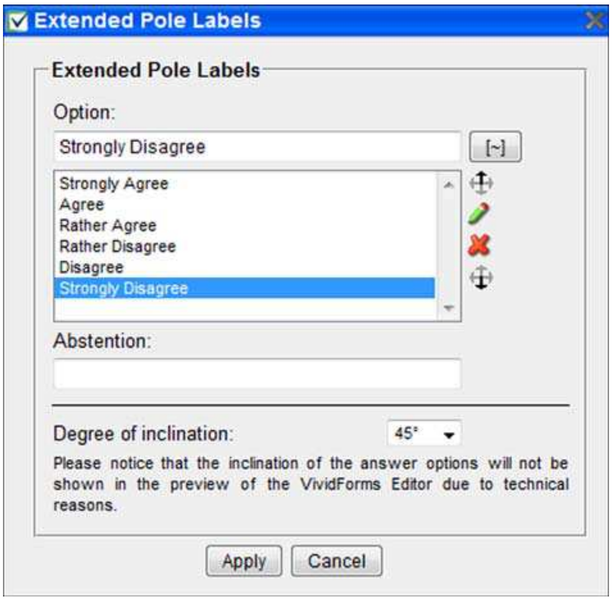
Figure 561: Pole Labels in the PDF Preview

Continue adding scaled questions. Do not define individual pole labels since the pole label headers perform this function.

The pole labels are automatically assigned to all scaled questions below. This allows them to be displayed in the PDF reports.

2.8.2. Vertical Pole Labels

Vertical pole labels can be defined as an alternative to the horizontal labels. Chose the option “ Extended Pole Labels” after creating a new question group. Now enter the option texts into the dialog. Each text element is limited to 25 characters.



Extended Pole Labels

Option: Strongly Disagree

- Strongly Agree
- Agree
- Rather Agree
- Rather Disagree
- Disagree
- Strongly Disagree

Abstention:

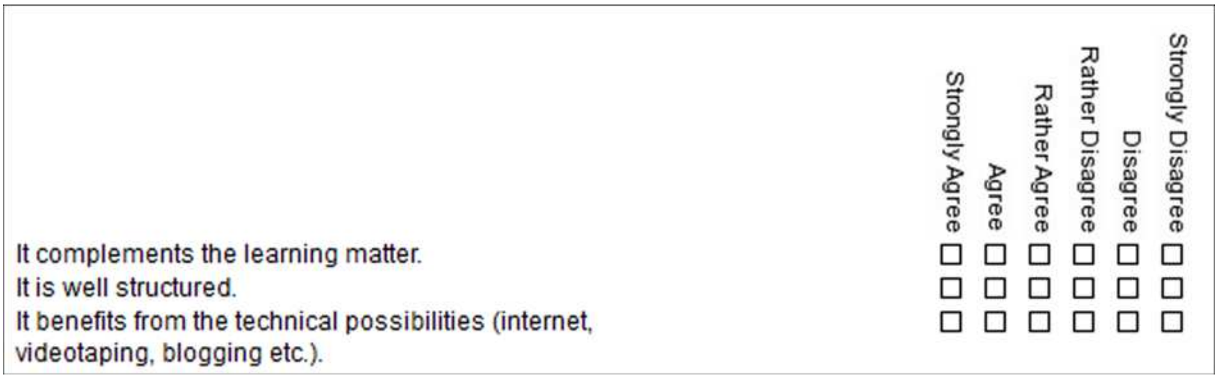
Degree of inclination: 45°

Please notice that the inclination of the answer options will not be shown in the preview of the VividForms Editor due to technical reasons.

Figure 562: Enter and Edit of the Vertical Pole Labels

Click [Apply] to close the dialog and create the vertical pole labels on the form.

Now scaled questions can be added. The system will assign the left and right pole labels to each defined scaled question below the vertical pole labels.



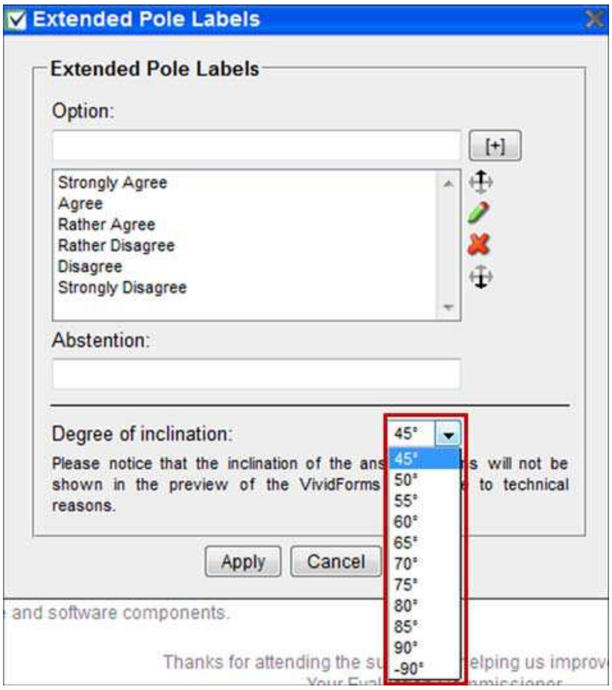
	Strongly Agree	Agree	Rather Agree	Rather Disagree	Disagree	Strongly Disagree
It complements the learning matter.	☐	☐	☐	☐	☐	☐
It is well structured.	☐	☐	☐	☐	☐	☐
It benefits from the technical possibilities (internet, videotaping, blogging etc.).	☐	☐	☐	☐	☐	☐

Figure 563: Vertical Pole Labels in the Editor Preview

Please note that those labels between the two poles are not linked to the scaled question and will not be visible in the PDF report or exports.

2.8.3. Inclined Pole Labels

In addition to horizontal and vertical pole labels, you can also use inclined pole texts for paper surveys. You can define the degree of inclination, under “Extended Pole labels”:



Extended Pole Labels

Extended Pole Labels

Option:

Strongly Agree
Agree
Rather Agree
Rather Disagree
Disagree
Strongly Disagree

Abstention:

Degree of inclination: 45°

Please notice that the inclination of the ans s will not be shown in the preview of the VividForms to technical reasons.

and software components.

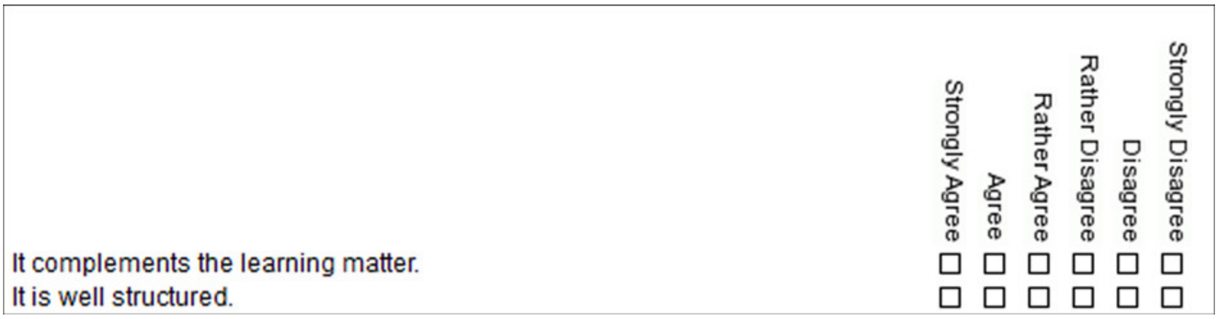
Thanks for attending the su elping us improv

Figure 564: Inclined Pole Labels – Degree of Inclination

As you can see in the above graphic, you have eleven different degrees of inclination to choose from.

Note:
In the preview of the VividForms Editor, the pole labels are always in a vertical position. To get a preview of the inclination, please call up the PDF preview.

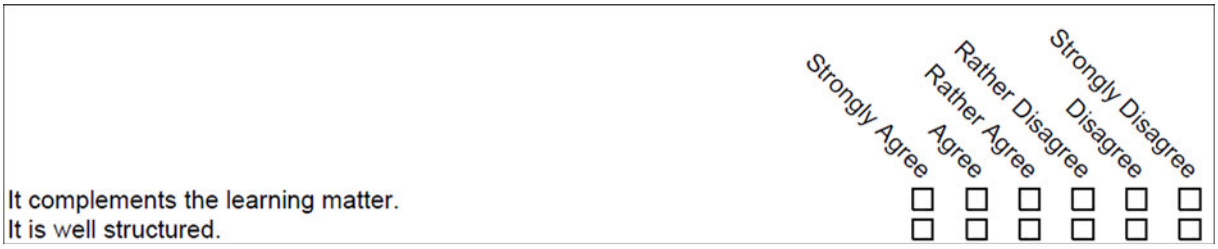
The following graphic shows you the preview in the VividForms Editor, which is identical for all levels of inclination:



	Strongly Agree	Agree	Rather Agree	Rather Disagree	Disagree	Strongly Disagree
It complements the learning matter.	☐	☐	☐	☐	☐	☐
It is well structured.	☐	☐	☐	☐	☐	☐

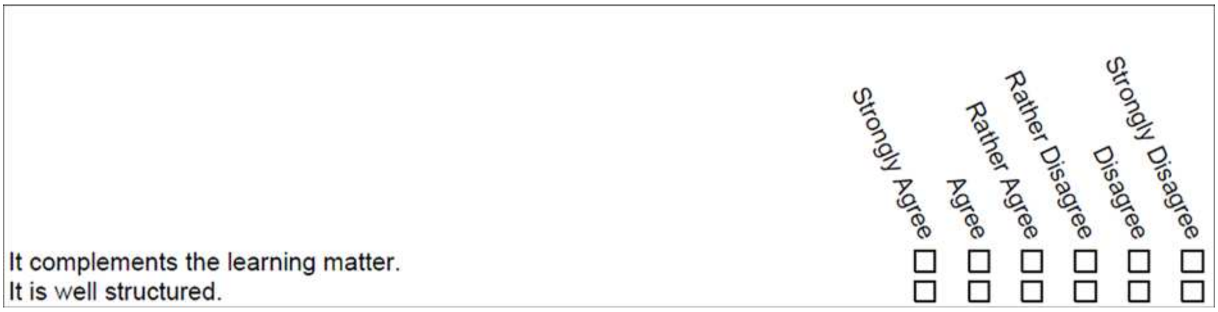
Figure 565: Inclined Pole Labels in the Preview of the VividForms Editor (Independent of the Degree of Inclination)

In the following graphics, you can see examples of possible inclinations in the PDF preview.



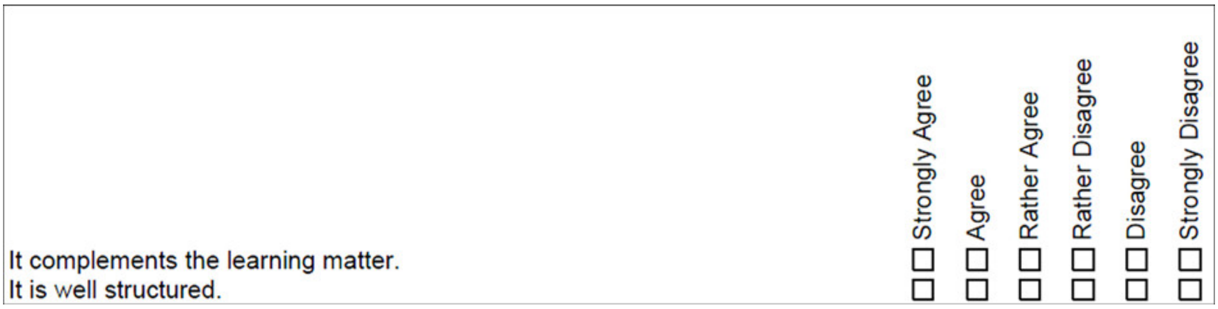
	Strongly Agree	Agree	Rather Agree	Rather Disagree	Disagree	Strongly Disagree
It complements the learning matter.	☐	☐	☐	☐	☐	☐
It is well structured.	☐	☐	☐	☐	☐	☐

Figure 566: Inclined Pole Labels (45°) in the PDF Preview



	Strongly Agree	Agree	Rather Agree	Rather Disagree	Disagree	Strongly Disagree
It complements the learning matter.	☐	☐	☐	☐	☐	☐
It is well structured.	☐	☐	☐	☐	☐	☐

Figure 567: Inclined Pole Labels (65°) in the PDF Preview



	Strongly Agree	Agree	Rather Agree	Rather Disagree	Disagree	Strongly Disagree
It complements the learning matter.	☐	☐	☐	☐	☐	☐
It is well structured.	☐	☐	☐	☐	☐	☐

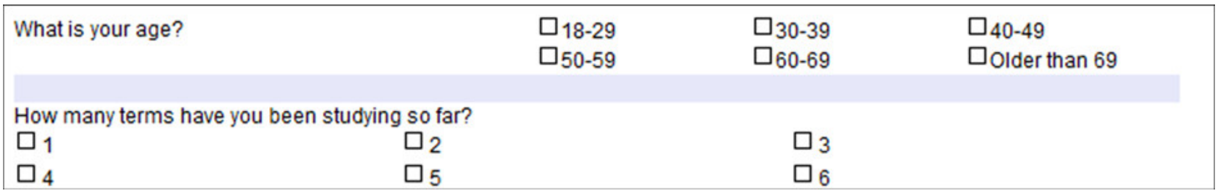
Figure 568: Inclined Pole Labels (-90°) in the PDF Preview

2.9. Adding Graphical Elements

2.9.1. Line Space

Using the line space gives extra room between single objects.

Open the menu “Add” and select “Line Space“. An empty line will be added below the active object.



What is your age?
☐18-29 ☐30-39 ☐40-49
☐50-59 ☐60-69 ☐Older than 69

How many terms have you been studying so far?
☐1 ☐2 ☐3
☐4 ☐5 ☐6

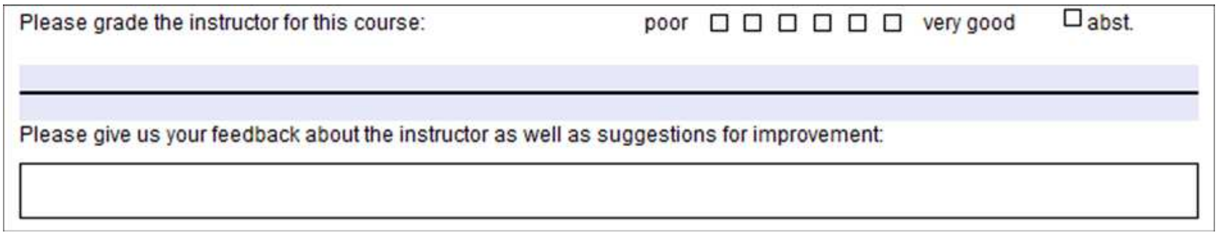
Figure 569: Line Space in the Editor Preview

The line space can be selected, moved and modified using the clipboard functions “Cut”, “ Copy” and “ Paste”.

2.9.2. Separator

The separator allows the optical separation of questionnaire content and can be added freely inside question groups.

Open the menu “Add” in the Editor control and select “ Separator“. A horizontal line will be added below the active object.


Please grade the instructor for this course: poor ☐ ☐ ☐ ☐ ☐ ☐ very good ☐ abst.

Please give us your feedback about the instructor as well as suggestions for improvement:

Figure 570: Separator in the Editor Preview

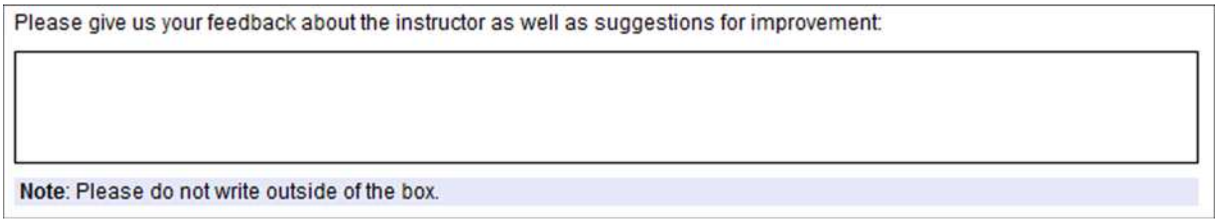
The separator can be selected, moved and modified using the clipboard functions Cut, Copy and Paste.

2.9.3. Text

To add a text area open the menu “Add” and select “ Text Box“. A dialog box appears which contains a text box. Type in the desired text or paste content from another text editing tool into this edit box.

Alignment options are available to align the text box content to the left, right, center or as justified text.

Click on [Apply] to create the text area.


Please give us your feedback about the instructor as well as suggestions for improvement:

Note: Please do not write outside of the box.

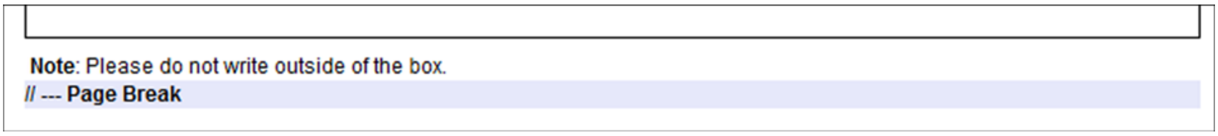
Figure 571: Text Area in the Editor Preview

As with other objects, the text area on the questionnaire can be moved around. The text also appears in online surveys and, if desired, in the PDF report too. To activate this, select the option “Show text boxes” in the menu “System Settings/Report Settings/Configuration”.

2.9.4. Page Break

If a page becomes full VividForms Editor will automatically apply a page break to continue adding objects on the following page.

Page breaks can also be added manually at each phase of the questionnaire. First mark an object by clicking on it with the left mouse button. Now open the menu “Add” and select the option “ Page Break“.



Note: Please do not write outside of the box.

// --- **Page Break**

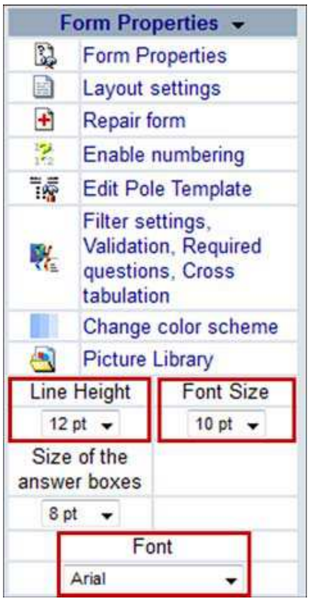
Figure 572: Page Break in the Editor Preview

The page break will be symbolized by a selectable row containing the text // … Page Break. The next object added to the form will appear on the following page.

If the page break is deleted later, the objects throughout the rest of the questionnaire will realign.

2.9.5. Line Height, Font Size and Font Type

With the line height you can change the vertical space needed for a line. This could be necessary if, for example, a questionnaire does not quite fit on two pages. Decrease the line height and you will be able to make do with two pages.



Form Properties
Form Properties
Layout settings
Repair form
Enable numbering
Edit Pole Template
Filter settings, Validation, Required questions, Cross tabulation
Change color scheme
Picture Library

Line Height: 12 pt

Font Size: 10 pt

Size of the answer boxes: 8 pt

Font: Arial

Figure 573: Accommodate Line Height, Font Size and Font

On the other hand a questionnaire that is not quite filled can be made to look better by increasing the line height.

The font size affects all question objects with the exception of chapter headings. These should not be made too large.

The following font types are available:

- Arial
- Georgia
- Tahoma
- Times New Roman
- Verdana

Please examine the PDF sample issue after changing the font type using the PDF preview to make sure that all texts appear correctly. If not you may have to reduce the font size.

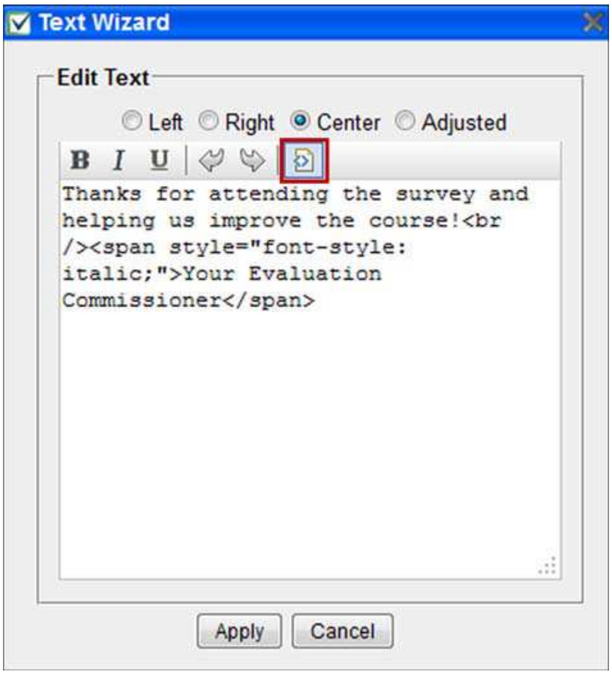
2.9.6. Filtering of HTML-Tags

Note:
This feature should only be used by users with technical knowledge.

You should be aware of the implications of your changes and always check them. Only then you can ensure that your online surveys appear with the desired layout and functions.

With online surveys, in addition to highlighting you have other formatting options with bold and italic fonts and underlining. You can use HTML tags for the formatting (for online surveys only).

For this purpose, activate in the EvaSys Settings in the “VividForms” part the option “Allow editing HTML source code in VividForms Editor”. The button “Source code” appears in the dialogue for text entry and formatting in the VividForms Editor. This affects, for example, the assistant for the creation of question groups as well as questions:



```
Thanks for attending the survey and
helping us improve the course!<br
/><span style="font-style:
italic;">Your Evaluation
Commissioner</span>
```

Figure 574: Show the Source Code in the VividForms Editor

Click on the button “Source code” to view and change the text's HTML formatting. This way you can insert line breaks (with the aid of the tag <br/>), list formatting or table formatting.

All HTML elements inserted here are then available for online surveys.

Note:
The utilization of JavaScript here is explicitly advised against. JavaScript can entail unpredictable and unwanted implications, if, for example, used variables have by chance the same name as a variable already used in EvaSys.

Only the font formatting fat <strong>, Italic <em> and underline <u> are supported for paper surveys. Other formatting is extracted.

2.10. Adding Pictures to a Questionnaire

2.10.1. Upload Pictures to the Picture Library

To add pictures to a questionnaire you have to first upload them.

Please note: You can integrate pictures in the image formats JPEG and PNG in the VividForms Editor. The JPEG-format is especially suitable for photographs. Because of losses resulting from compression it is not recommended for text and graphics.

The advantage of the PNG-format is the compressed storage without losses which cannot be guaranteed with the JPEG-format. Thus the PNG-format is suitable for photographs as well as text and graphics. However, files in the PNG-format are considerably bigger than the according JPEG-files.

To upload pictures click on the button [Picture Library] in the menu “Form Properties” in the VividForms Editor. A new window called “Picture Library” opens:

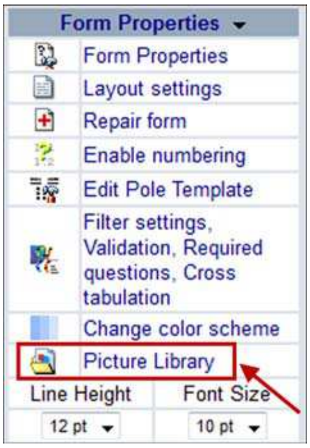
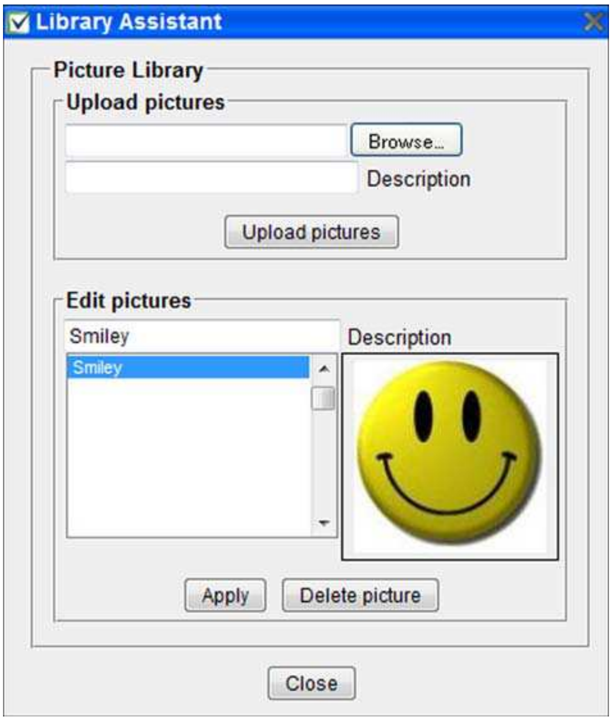

Form Properties
Form Properties
Layout settings
Repair form
Enable numbering
Edit Pole Template
Filter settings, Validation, Required questions, Cross tabulation
Change color scheme
Picture Library
Line Height
Font Size
12 pt
10 pt

Figure 575: Option “Picture Library” in the Menu “Form Properties”

The new window “picture library” appears:


Library Assistant
Picture Library
Upload pictures
Browse...
Description
Upload pictures
Edit pictures
Description
Apply
Delete picture
Close

Smiley

Smiley

Figure 576: Picture Library

If you click on [Browse], you can search for the picture in your file system. Clicking on [Upload pictures] integrates it in the picture library. Here you can see a picture that was uploaded and integrated in the picture library. On the left hand side you can see the name of the added picture, on the right hand side the preview.

Clicking on [Delete picture] removes the marked picture from the list.

Please note: The system does not ask you to confirm the deletion. When you click on the button, the picture will irrevocably be removed from the list.

2.10.2. Integrating Pictures in a Questionnaire

As soon as you have uploaded pictures into the picture library, you can integrate them into the questionnaire.

You can find the option [Picture] in the menu “Add“. As with the other items you can only add a picture to a question group. As long as you do not define a question group you cannot select the option [Picture].

When you have created a question group you can integrate pictures – the option can be selected.

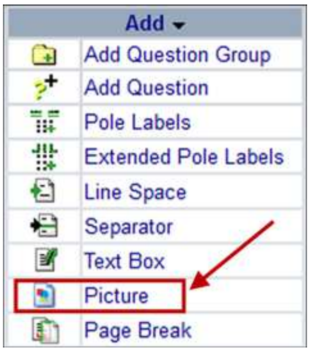
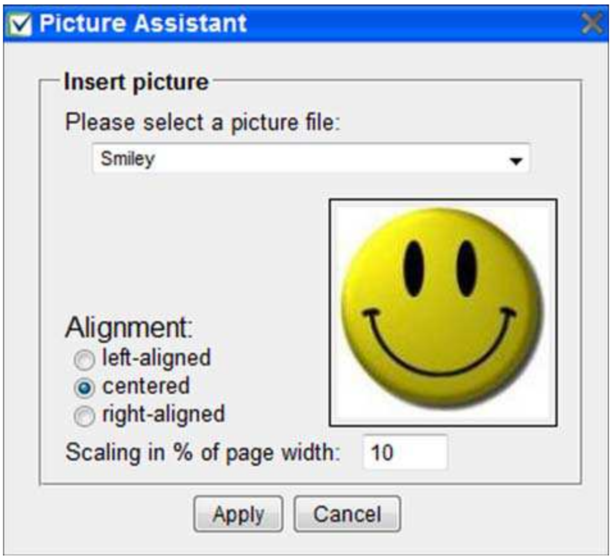

Add
Add Question Group
Add Question
Pole Labels
Extended Pole Labels
Line Space
Separator
Text Box
Picture
Page Break

Figure 577: Option “Picture” in the Menu “Add” – Activated (left) and Deactivated (right)

When clicking on [Picture] the picture assistant opens in a new window:


Picture Assistant

Insert picture

Please select a picture file: Smiley

Alignment:
○ left-aligned
● centered
○ right-aligned

Scaling in % of page width: 10

Apply
Cancel

Figure 578: Picture Assistant

You can select a picture from a list there. You will see the selected picture in the preview.

Additionally you can define the position of the picture on the questionnaire – left-aligned, centered or right-aligned.

If you choose to scale the picture, the basis for this is the width of the page (width of page = 100%).

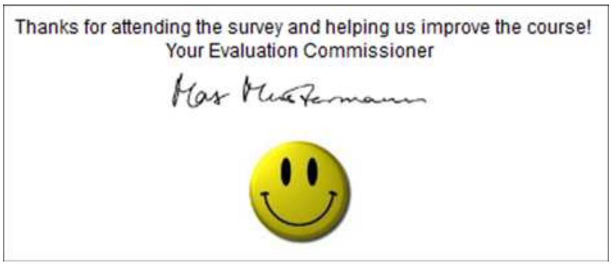
In this case the alignment is “centered” and the scaling is 25%.

When you click on [Apply] you add the picture to the last place in the questionnaire where the focus was (i.e. where you last clicked on the questionnaire).

Via clicking on the picture and using the key [Delete] you can remove the picture from the questionnaire again. (Alternatively you can set the focus on the picture and choose [Delete] in the menu “Clipboard”.)

The position and selection of pictures can be changed after insertion (as long as the questionnaire is not in use). Just double-click on the picture and the picture assistant will open. (Alternatively choose [Picture] in the menu “Edit”.)

If you look at the PDF preview (you can view this via the PDF symbol above the upper left corner of the form), you will get a preview of the actual appearance of the questionnaire. Here you can see an example:



Thanks for attending the survey and helping us improve the course!
Your Evaluation Commissioner
Max Mustermann

Figure 579: Picture in the PDF Preview

2.11. Layout Settings

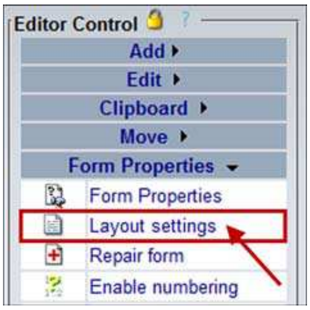
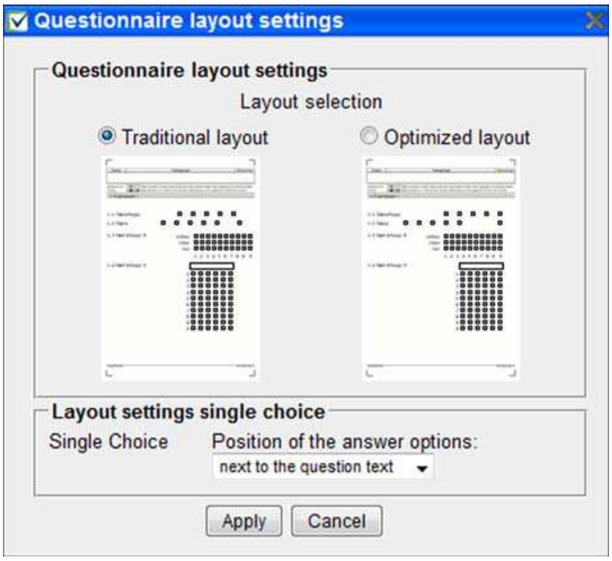


Figure 580: Menu “Layout Settings”

Via the menu item “Layout Settings” in the menu “Form Properties”, you can choose between two layout variations, the “Traditional Layout” and the “Optimized Layout”. New questionnaires are generally produced with an optimized layout, which has an improved alignment of the checkboxes. Existing forms that were created with earlier versions of EvaSys, retain the traditional layout. If these are copied for further processing, the optimized layout can be assigned to them later.


Questionnaire layout settings
Questionnaire layout settings
Layout selection
● Traditional layout
○ Optimized layout
Layout settings single choice
Apply
Cancel

Single Choice — Position of the answer options: next to the question text

Figure 581: Adjusting Layout Settings

The default setting for the position of the response options of single choice questions is anchored in the layout settings at the bottom. The settings selected here (next to the question text/beneath the question text) apply to all single choice questions that are newly inserted. In the properties of each question, the position can be adjusted manually, if necessary.

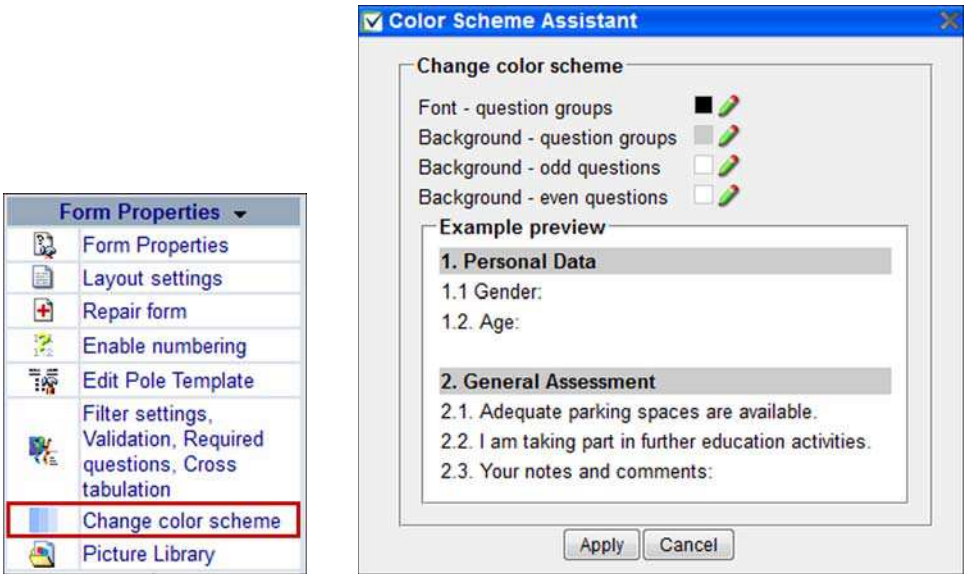
2.12. Adjusting Color Scheme

Under a new menu item in the “Form properties” (“Change color scheme”) different color shadings for question groups and questions can be defined. This improves the readability and increases the optical quality of the questionnaire.

To change the color of your question or question group, click on the “green pencil” icon next to the corresponding option.

You can change the following areas:

- Font color of the question groups,
- Background of the question groups,
- Background of odd questions (e.g.: 1.1. and 1.3., etc.),
- Background of even questions (e.g.: 1.2. and 1.4., etc.)

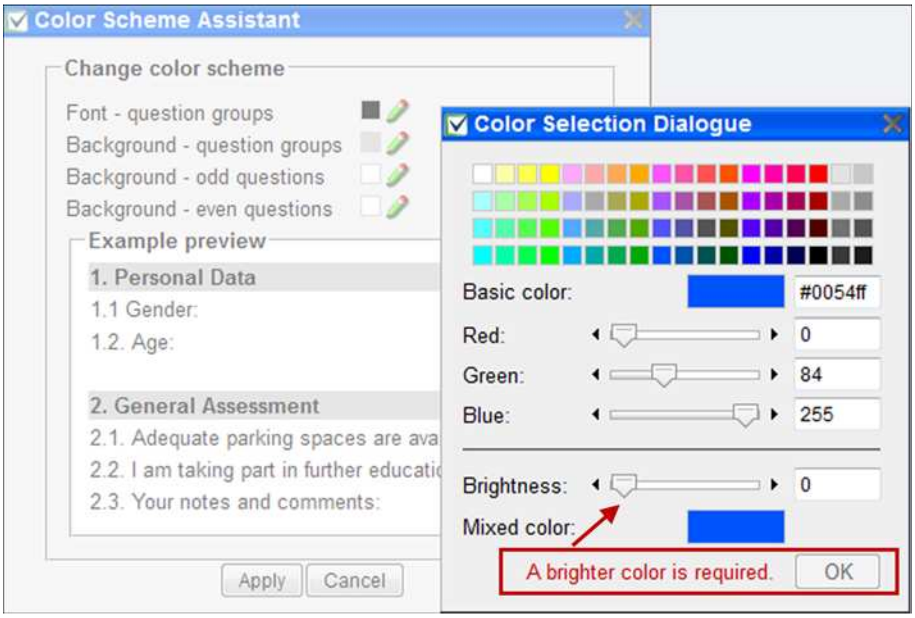

Form Properties
Form Properties
Layout settings
Repair form
Enable numbering
Edit Pole Template
Filter settings, Validation, Required questions, Cross tabulation
Change color scheme
Picture Library
Color Scheme Assistant
Change color scheme
Font - question groups
Background - question groups
Background - odd questions
Background - even questions
Example preview
Apply
Cancel

1. Personal Data
1.1 Gender:
1.2. Age:

2. General Assessment
2.1. Adequate parking spaces are available.
2.2. I am taking part in further education activities.
2.3. Your notes and comments:

Figure 582: Adjusting Color Scheme

After clicking on the pencil icon, the color selection dialog opens. Here, at the top of the window, you can select a color directly, set as an RGB value or as an hexadecimal number.

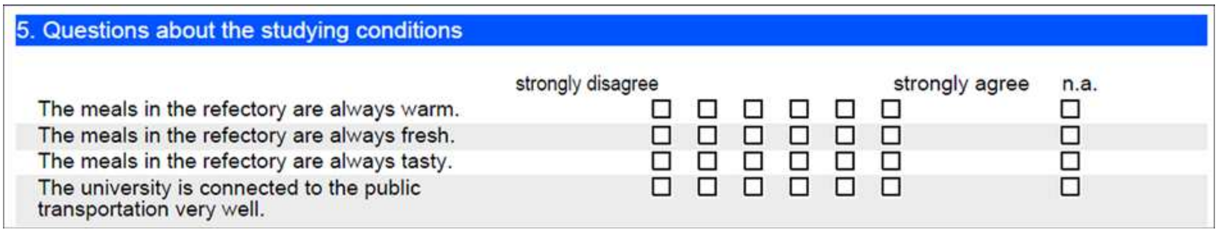

Color Scheme Assistant
Change color scheme
Font - question groups
Background - question groups
Background - odd questions
Background - even questions
Example preview
Apply
Cancel
Color Selection Dialogue
OK

Basic color: #0054ff
Red: 0
Green: 84
Blue: 255
Brightness: 0
Mixed color:
A brighter color is required.

Figure 583: Color Selection Dialog

At the bottom of the dialog, the brightness of the color is set. Whilst the font and the background for question groups may have any color depth, the color value for the background of the questions should not be too dark, so as to ensure high readability when scanning. EvaSys immediately checks the brightness of the selected color. If too dark a color was selected, the message “A brighter color is required” appears. With the slider in the area “Brightness”, the brightness can be increased. Once the allowed minimum brightness is reached, the warning disappears. The new color can be adopted by clicking on [OK].

The following figure shows an example of a questionnaire with an adjusted color scheme:



5. Questions about the studying conditions

	strongly disagree					strongly agree	n.a.
The meals in the refectory are always warm.	☐	☐	☐	☐	☐	☐	☐
The meals in the refectory are always fresh.	☐	☐	☐	☐	☐	☐	☐
The meals in the refectory are always tasty.	☐	☐	☐	☐	☐	☐	☐
The university is connected to the public transportation very well.	☐	☐	☐	☐	☐	☐	☐

Figure 584: Questionnaire with Adjusted Color Scheme

3. Repair Form

When editing large questionnaires it may occur in rare cases that the order of the objects gets confused. In such a case click on “Repair Form” in the “Form Properties” menu of the Editor control. The questionnaire will be rebuilt.

4. Use of the Question Library with VividForms

You can integrate both question groups and questions from not yet implemented questionnaires, as well as protected questionnaires into the question library. In the following, the procedure for adding the question groups and questions is described in detail.

4.1. Adding a Question from the Library

Click on the symbol in order to adopt a question-group combination from the question library.

A dialog will open and you should now select a group. With the check field you can select whether the group will be transferred to the questionnaire (the marked checkbox in the screenshot). In the next selection the elements of this group will appear.

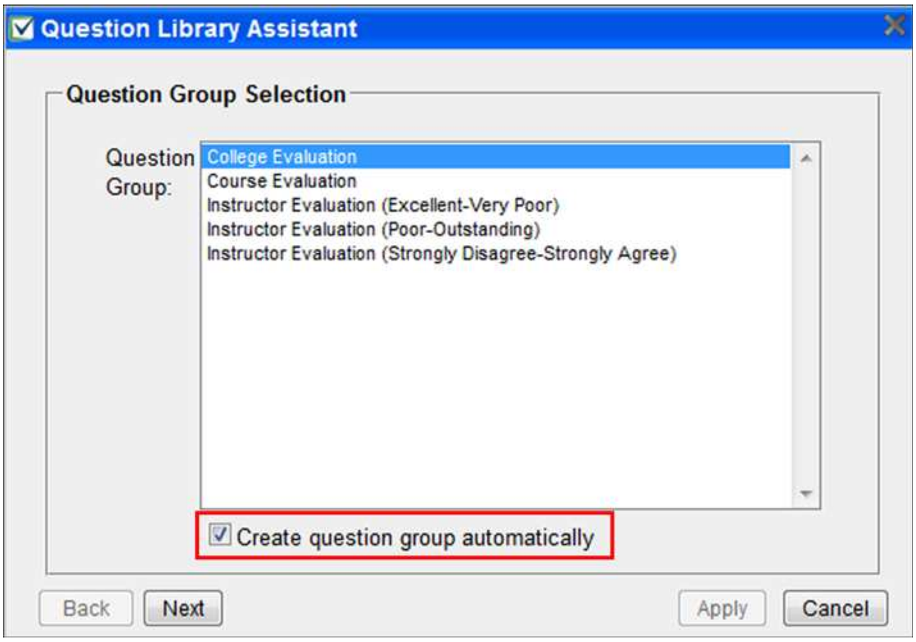

Question Library Assistant
Question Group Selection
Question Group:
College Evaluation
Course Evaluation
Instructor Evaluation (Excellent-Very Poor)
Instructor Evaluation (Poor-Outstanding)
Instructor Evaluation (Strongly Disagree-Strongly Agree)
☑ Create question group automatically
Back
Next
Apply
Cancel

Figure 585: Question Library – Selection of a Question Group

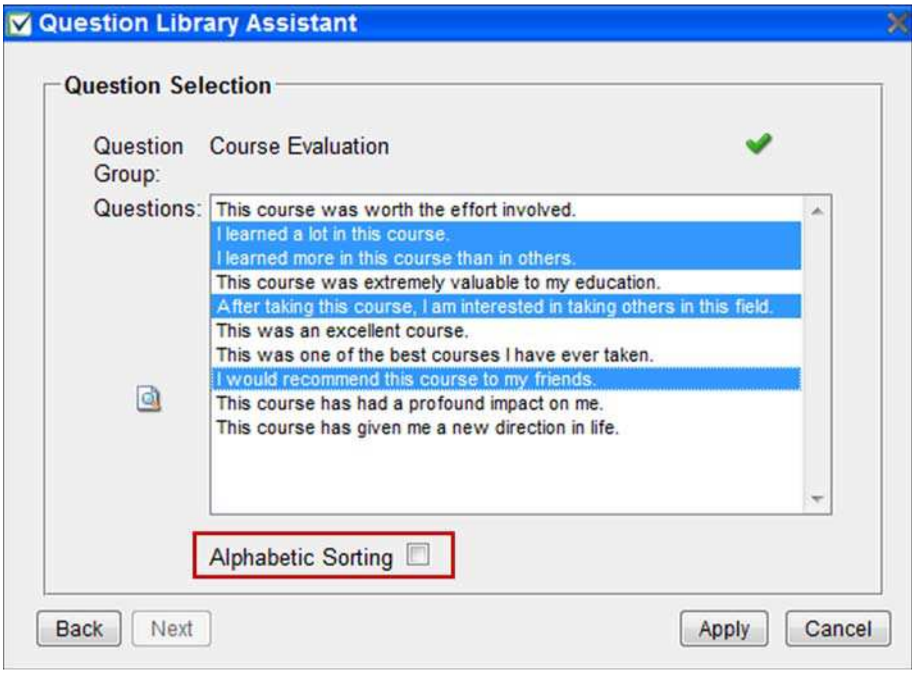
You can select one or more questions (with the Ctrl key).

With the check field you can determine whether the question will be transferred to the questionnaire. In this case they are assigned to a new question group (you can recognize that by the green tick mark in the window). If the checkbox “Create” in the window before is not activated, you will see a red cross instead of the tick mark. In this case no question group will be created.

You can choose between two possibilities regarding the order of the elements:

- The order of the elements as it was on the original questionnaire, from whence the question group comes from (and from that to which it was inserted in the library). This is the default sorting order.
- Alphabetical sorting of the elements. – if you decide on this sorting order, activate the option “Alphabetical sorting“.

Furthermore, you can sort the questions on the “questionnaire alphabetically. To do this, activate the option “Alphabetic Sorting”. If you don’t activate this option, the questions on the questionnaire will be sorted in the displayed, original order.



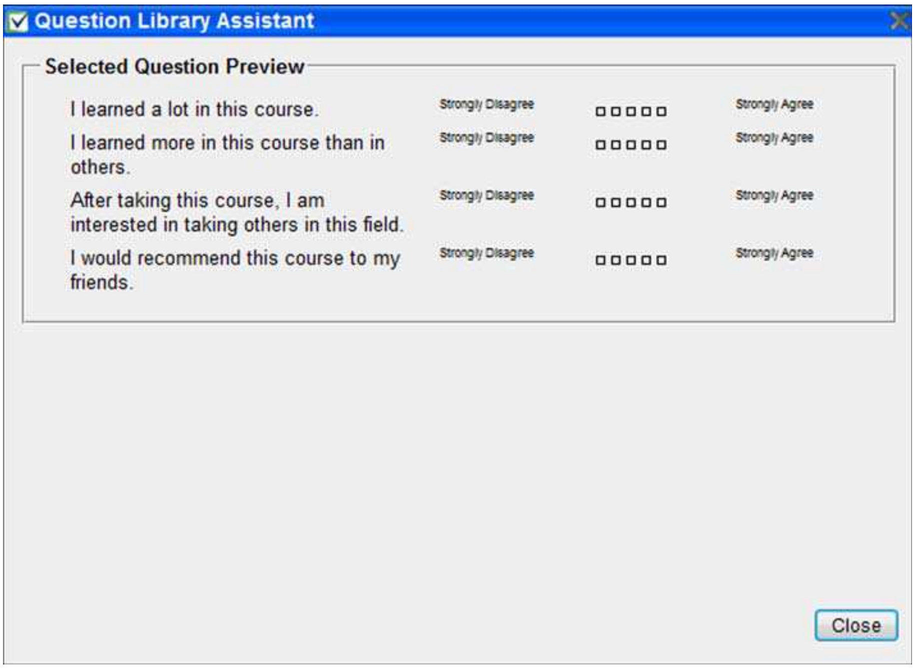
Question Group: Course Evaluation

Questions:
- This course was worth the effort involved.
- I learned a lot in this course.
- I learned more in this course than in others.
- This course was extremely valuable to my education.
- After taking this course, I am interested in taking others in this field.
- This was an excellent course.
- This was one of the best courses I have ever taken.
- I would recommend this course to my friends.
- This course has had a profound impact on me.
- This course has given me a new direction in life.

Alphabetic Sorting ☐

Figure 586: Question Library – Selecting Questions

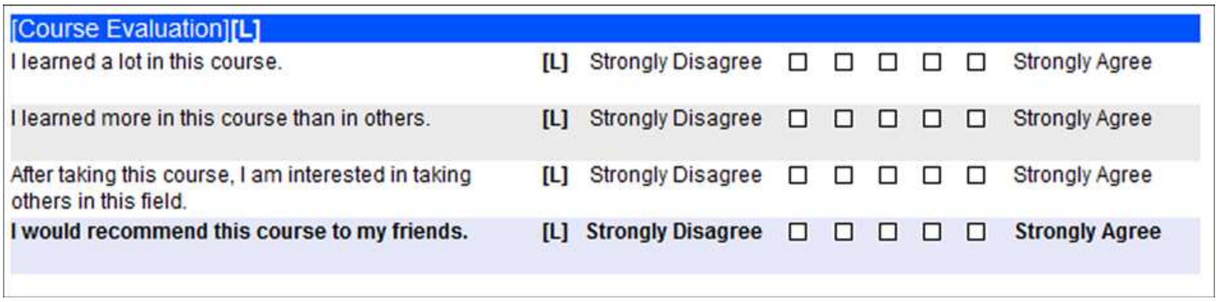
By clicking on the magnifying glass symbol you can see a scaled down preview of the selected questions.



I learned a lot in this course.	Strongly Disagree	☐☐☐☐☐	Strongly Agree
I learned more in this course than in others.	Strongly Disagree	☐☐☐☐☐	Strongly Agree
After taking this course, I am interested in taking others in this field.	Strongly Disagree	☐☐☐☐☐	Strongly Agree
I would recommend this course to my friends.	Strongly Disagree	☐☐☐☐☐	Strongly Agree

Figure 587: Question Library – Preview of the Selected Questions

Please note that elements that are taken from the library are marked with an [L] (= Library).



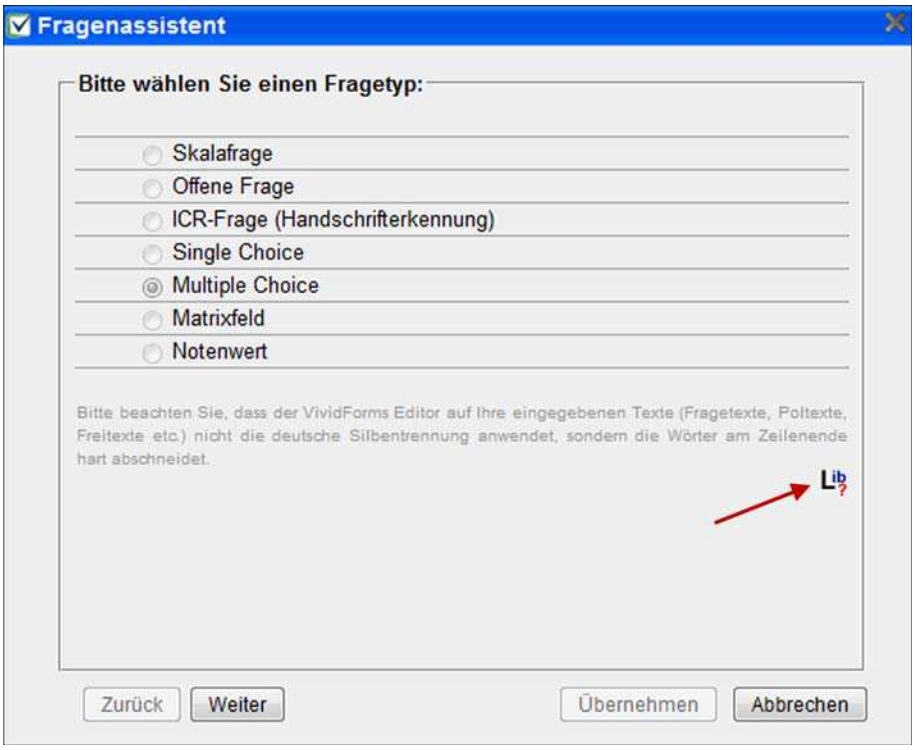
[Course Evaluation][L]

I learned a lot in this course.	[L]	Strongly Disagree	☐	☐	☐	☐	☐	Strongly Agree
I learned more in this course than in others.	[L]	Strongly Disagree	☐	☐	☐	☐	☐	Strongly Agree
After taking this course, I am interested in taking others in this field.	[L]	Strongly Disagree	☐	☐	☐	☐	☐	Strongly Agree
I would recommend this course to my friends.	**[L]**	**Strongly Disagree**	☐	☐	☐	☐	☐	**Strongly Agree**

Figure 588: Question Library – Inserted Question Group and Questions in the Editor Preview

4.2. Undoing the Connection between a Question and the Library

You cannot modify questions or chapters from the library. You will see this by the gray shading of the selection options in the properties dialog as well as by the symbol Lib?. If you would like to edit a question from the library you must first undo the connection to the library by using the symbol . The question can then be edited again.



Bitte wählen Sie einen Fragetyp:

○ Skalafrage
○ Offene Frage
○ ICR-Frage (Handschrifterkennung)
○ Single Choice
● Multiple Choice
○ Matrixfeld
○ Notenwert

Bitte beachten Sie, dass der VividForms Editor auf Ihre eingegebenen Texte (Fragetexte, Poltexte, Freitexte etc.) nicht die deutsche Silbentrennung anwendet, sondern die Wörter am Zeilenende hart abschneidet.

Figure 589: Question Library – Library Symbol

You can detach the library question by selecting the question on the questionnaire and choosing the option “Detach library question”.

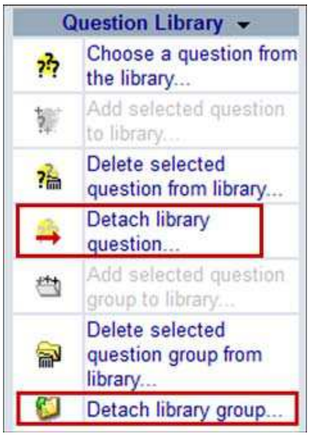

Question Library
Choose a question from the library...
Add selected question to library...
Delete selected question from library...
Detach library question...
Add selected question group to library...
Delete selected question group from library...
Detach library group...

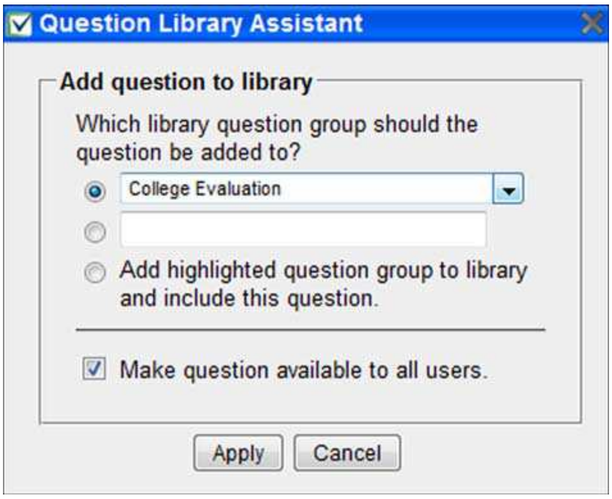
Figure 590: Question Library: Detach Library Question/Library Group

Use the option “Detach library group” to undo the connection between a protected question group and the library.

4.3. Adding a Question to the Library

If you would like to add a question you have highlighted, click on in the area question library on the edit bar.

The dialog shown to the right will appear. You have three options:


Question Library Assistant
Apply
Cancel

Add question to library

Which library question group should the question be added to?

● College Evaluation

○

○ Add highlighted question group to library and include this question.

☑ Make question available to all users.

Figure 591: Question Library: Add a Question to the Library

Include in an existing Question Group

Select a group from the list and click on [Apply].

Create a new Group

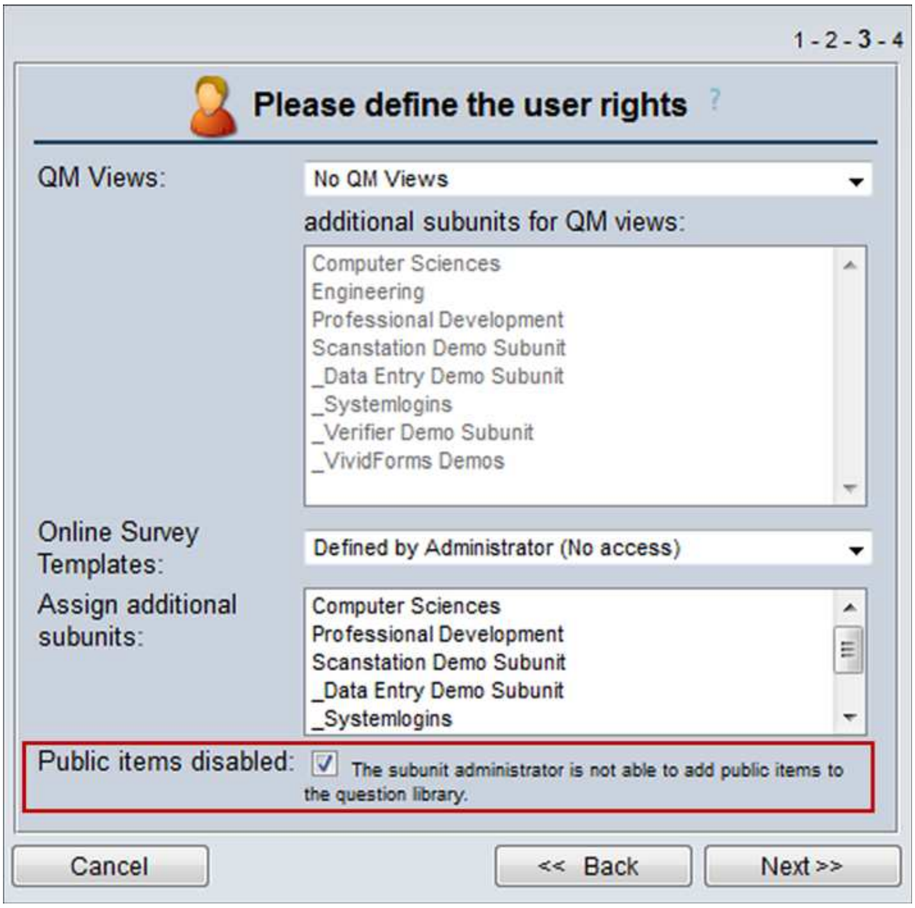
Select the second option and enter the name for the new group. Click on [Apply].

Add the current (highlighted) Group

Select the third option. The current group will be added as a new group in the library and the highlighted question will be added to this group.

Note:
Only the (subunit) administrator can create groups, which are visible to all users, by activating the answer box “Question visible to all users”. Groups and questions created by Instructors are only visible to themselves.

The administrator also has the possibility of denying subunit administrators this right. To do this, he activates the option “Public items disabled” in the user profile of the subunit administrator. The subunit administrator can then no longer add public questions to the library. All groups and questions are then, as with the instructors, only visible to him.



Please define the user rights

QM Views: No QM Views

additional subunits for QM views:
Computer Sciences
Engineering
Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins
_Verifier Demo Subunit
_VividForms Demos

Online Survey Templates: Defined by Administrator (No access)

Assign additional subunits:
Computer Sciences
Professional Development
Scanstation Demo Subunit
_Data Entry Demo Subunit
_Systemlogins

Public items disabled: ☑ The subunit administrator is not able to add public items to the question library.

Figure 592: Question Library: Definition of the User Rights for Public Items in the User Profile of a Subunit Administrator

4.4. Deleting a Question from the Library

With a click on you can delete the highlighted question from the library.

4.5. Adding a Group to the Library

With a click on the symbol the group you have highlighted will be entered as a new group to the library. The elements of this group will not be entered.

4.6. Deleting a Group from the Library

With the symbol in the editor control bar you can delete the current group from the library.

5. Filter Settings, Validation, Required Questions and Cross Tabulations

5.1. General Information

If you open the menu “Form Properties” (on the left hand in the VividForms Editor), you will find the option “Filters, Validation, Cross Tabulations, Required Questions”. Click on this option and the dialog for editing these elements will open up. These options are also available in the details of a questionnaire in the area “Advanced Settings”. In “Questionnaires/Questionnaire List” please click on the name of the questionnaire you like to activate the filter settings, validation, required questions or cross tabulations for. The details of this questionnaire open automatically. Open the drop-down list in the area “Advanced Settings” and choose the desired option. Thus click on [Edit] to edit the option.

Filter Settings

This is where you define whether certain answers will cause other questions to be suppressed. In an online survey suppressed questions will not appear or will be inactive. For paper surveys filter settings apply after processing, i.e. retrospectively.

Validation

By defining validations you can test entries to open questions and matrix fields in online surveys with value ranges and regular expressions before a survey participant can send the questionnaire.

Required Questions

Those questions for which an answer is compulsory can be defined here.

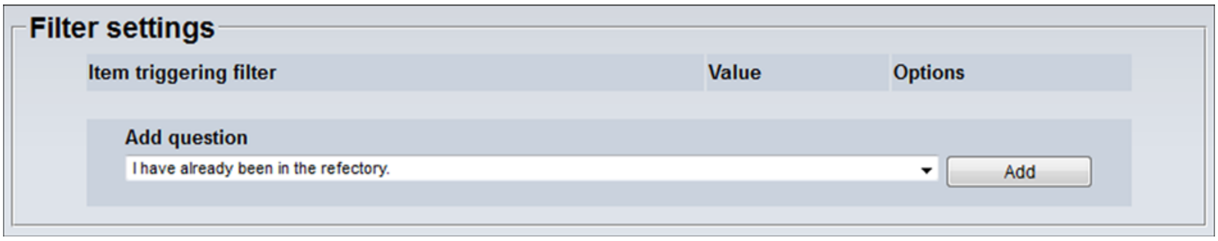
Cross Tabulations

The cross tabulations shown here will appear in the PDF report.

To save the form and close the Web editor, click on the diskette symbol . You will return to the questionnaire administration. In order to completely delete the questionnaire, click on the trash .

5.2. Filter Settings

Filter settings allow you to suppress questions which may in certain circumstances be irrelevant. This is especially interesting for online surveys, where this prevents invalid questions from being responded to.



Filter settings

Item triggering filter	Value	Options

Add question

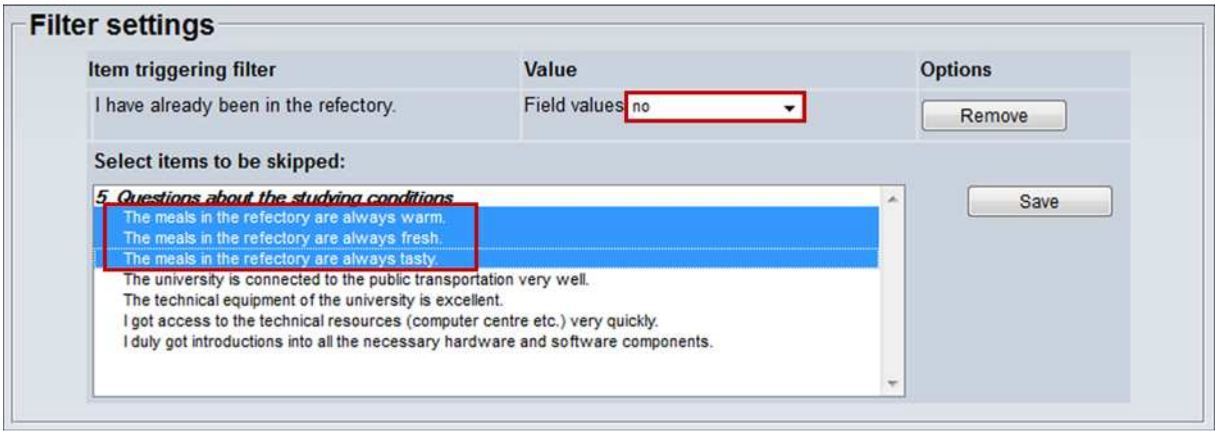
I have already been in the refectory.

Figure 593: Filter Settings

However the filter settings defined here are also used for data from paper surveys. When analyzing each completed questionnaire a check is carried out whether the filter settings should be applied.

Example:

A question asks about the use of presentation programs in a course. If this question is answered with a “No” then questions about the quality of such presentations will not be asked (online surveys) or not analyzed (paper survey).



Filter settings

Item triggering filter	Value	Options
I have already been in the refectory.	Field values no	Remove

Select items to be skipped:

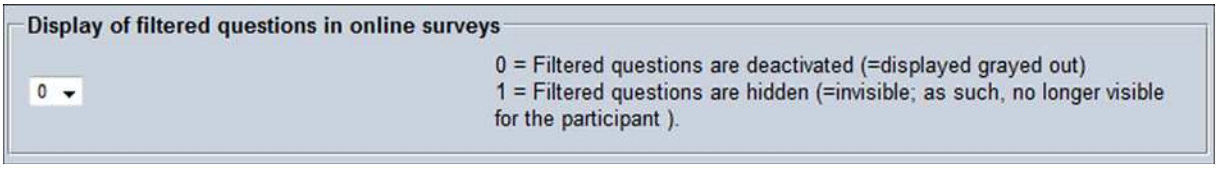
5. Questions about the studying conditions
The meals in the refectory are always warm.
The meals in the refectory are always fresh.
The meals in the refectory are always tasty.
The university is connected to the public transportation very well.
The technical equipment of the university is excellent.
I got access to the technical resources (computer centre etc.) very quickly.
I duly got introductions into all the necessary hardware and software components.

Figure 594: Filter Settings: Selecting Items to be Skipped

In order to create a filter setting, select from the list a single choice question and click on [Add].

Now select a response value for which the filter setting should be applied. In the lower area you will see a list of all the questions following the filter question. You can now highlight all of the questions that should not be displayed or should not be analyzed. When you are finished, click on [Save]. Repeat this procedure for each additional filter setting.

In the settings (“System Settings/EvaSys Settings/Survey Online/Display of filtered questions in online survey”) you can determine, whether deactivated questions in online surveys are to be greyed out or completely hidden. Hereby it is now possible to hide questions in all three display modes for online surveys (“per chapter”, “per page” and “complete”).



Display of filtered questions in online surveys

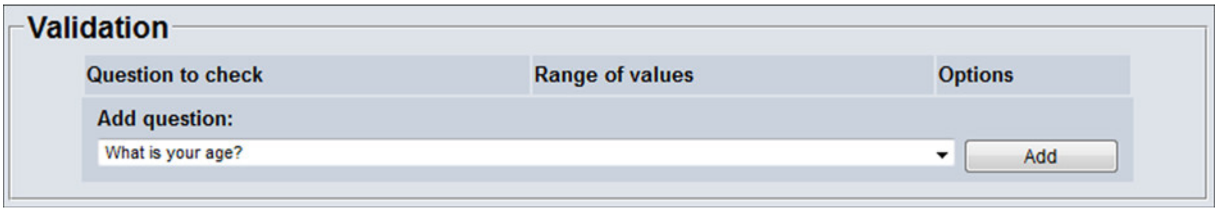
0

0 = Filtered questions are deactivated (=displayed grayed out)
1 = Filtered questions are hidden (=invisible; as such, no longer visible for the participant).

Figure 595: Settings for Filtered Questions

5.3. Validation

By defining validations you can test entries to open questions and matrix fields in online surveys with value ranges and regular expressions before a survey participant can send the questionnaire.



Validation

Question to check	Range of values	Options

Add question: What is your age?

Figure 596: Validation

To create validations select a matrix field or an open question from the list and click on [Add].

Now select which values can be accepted:

- Numbers only – Here you can delimit the value range by storing a minimum and maximum value.
- Letters only – i.e. no blanks
- Letters or numbers only.
- Date.
- Pattern (simplified syntax) – By default, the following templates are available:
    - three-digit number,
    - word(underscore)number,
    - serial number.

All three examples are based on the following legend:

- L = Letter
- W = Word
- D = Digit
- N = Number

- A = Alphanumeric (= digit or letter)

In addition, there is the possibility of using square brackets to label a placeholder as optional. In this way, the following pattern: D[D][D]-W means that only input consisting of a number of one to three digits, a hyphen and a word (in this order), will be accepted.

As well as the common syntax for patterns, there is also the possibility of using regular expressions (on the basis of Perl syntax) to formulate patterns. Regular expressions are often used to recognize patterns and offer a high level of flexibility.

- Pattern (regular expression) – The following template choices are available:
    - three-digit number,
    - word(underscore)number,
    - serial number (simple),
    - serial number (complex),
    - email address.

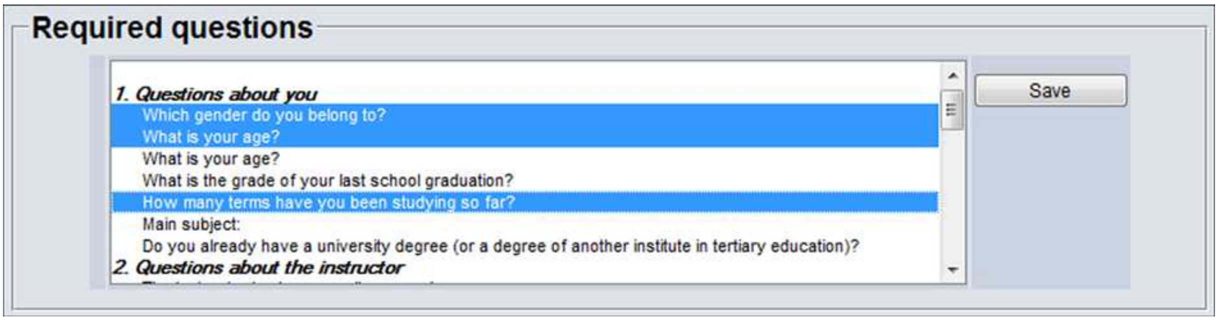
Please note:
A question text should contain instructions for the correct completion of a validation question, so that the survey participant knows which input is admissible.

5.4. Required Questions

Questions for which an answer is compulsory can be configured as required questions.

When submitting a questionnaire in an online survey the system checks if all required questions have been answered. If this is not the case, the survey cannot be submitted unless answers to the required questions have been given.

To define the required questions select one or multiple questions and click on [Save]. The selected questions will be displayed with a blue background.



1. Questions about you
Which gender do you belong to?
What is your age?
What is your age?
What is the grade of your last school graduation?
How many terms have you been studying so far?
Main subject:
Do you already have a university degree (or a degree of another institute in tertiary education)?
2. Questions about the instructor

Figure 597: Configuration of Required Questions

Note:
Unlike the filter settings, required questions are not recognized in paper surveys.

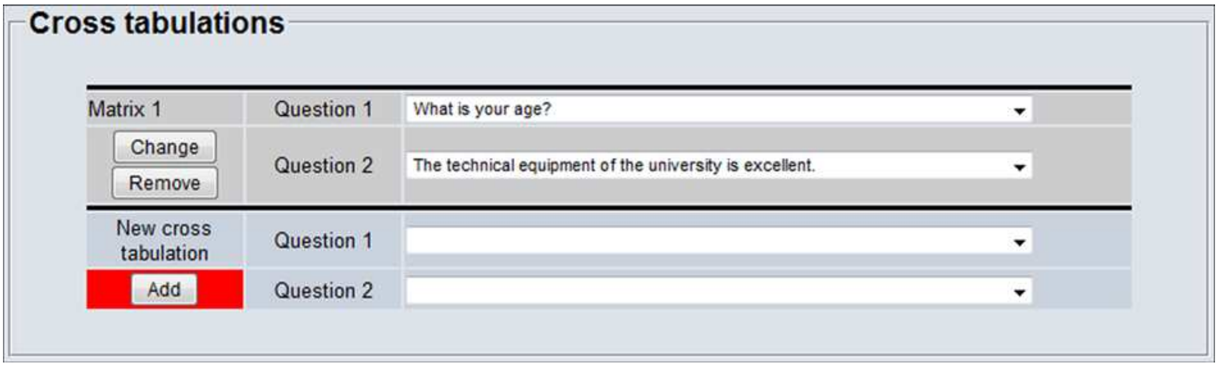
5.5. Cross Tabulations

In order to use cross tabulations this function must be activated at “System Settings/ Report Settings/Configuration/Create Cross Tabulation”.

Select from both lists the variables you would like to use. You can use scaled questions as well as single choice questions with as many as eleven choices.

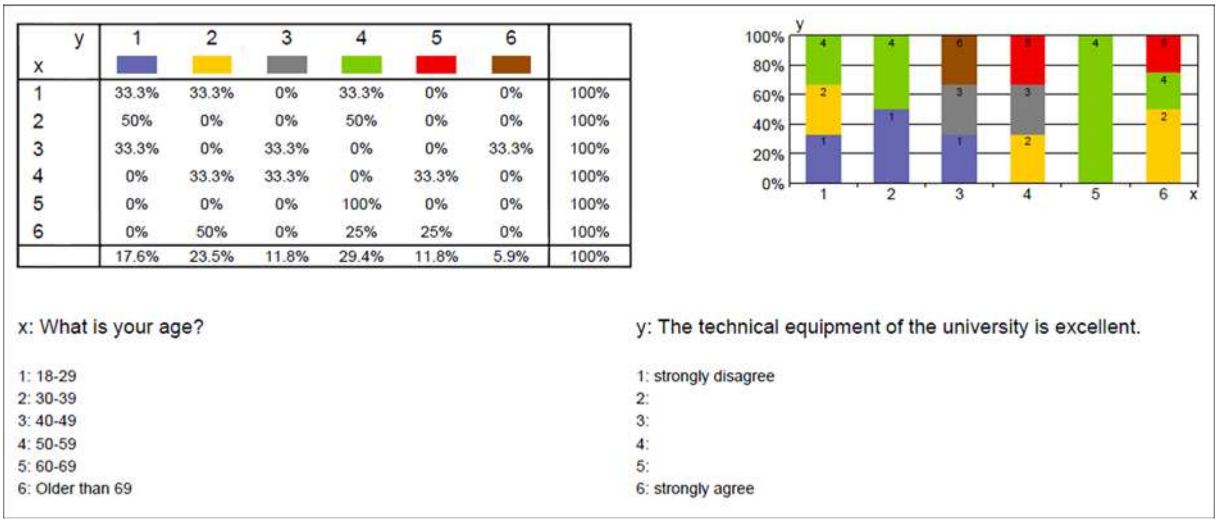
The upper question is displayed in the X axis while the lower question is found in the Y axis of the matrix.

The number of cross tabulations possible is unlimited. In the PDF report two cross tabulations per page will be displayed.



Question 1: What is your age?
Question 2: The technical equipment of the university is excellent.
Question 1:
Question 2:

Figure 598: Create Cross Tabulations



x \ y	1	2	3	4	5	6	
	🟦	🟨	▨	🟩	🟥	🟫	
1	33.3%	33.3%	0%	33.3%	0%	0%	100%
2	50%	0%	0%	50%	0%	0%	100%
3	33.3%	0%	33.3%	0%	0%	33.3%	100%
4	0%	33.3%	33.3%	0%	33.3%	0%	100%
5	0%	0%	0%	100%	0%	0%	100%
6	0%	50%	0%	25%	25%	0%	100%
	17.6%	23.5%	11.8%	29.4%	11.8%	5.9%	100%

x: What is your age?

1: 18-29
2: 30-39
3: 40-49
4: 50-59
5: 60-69
6: Older than 69

y: The technical equipment of the university is excellent.

1: strongly disagree
2:
3:
4:
5:
6: strongly agree

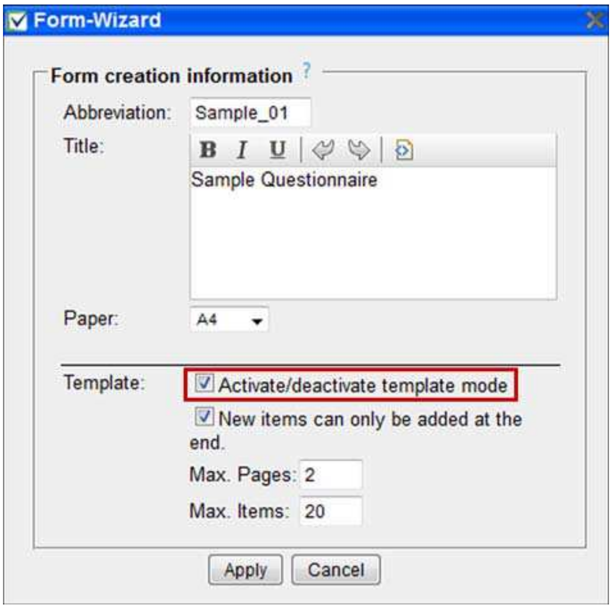
Figure 599: Cross Tabulation in the PDF Report

6. Defining General Templates

6.1. Defining a Template by the Administrator

The administrator can create templates whose contents cannot be modified by users with instructor accounts.

By activating the box “Template” the form is made available to the active instructor. The instructor can only supplement the questions set up by the administrator.



Abbreviation: Sample_01

Title: Sample Questionnaire

Paper: A4

Template: ☑ Activate/deactivate template mode

☑ New items can only be added at the end.

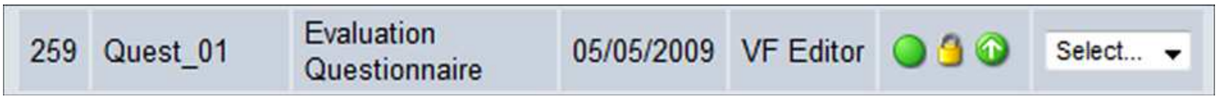
Max. Pages: 2

Max. Items: 20

Figure 600: Activating the Option “Template”

By activating the answer box “Activate/deactivate template mode”, the form is put at the active instructors disposal. The administrator can also determine, that the new items which can be added by the active instructor, may only be added at the end of the questionnaire. This means, that the structure of the questionnaire provided by the administrator cannot be changed, as the instructor may only add his questions at the end. To select this option, activate the answer box “New items may only be added at the end”.

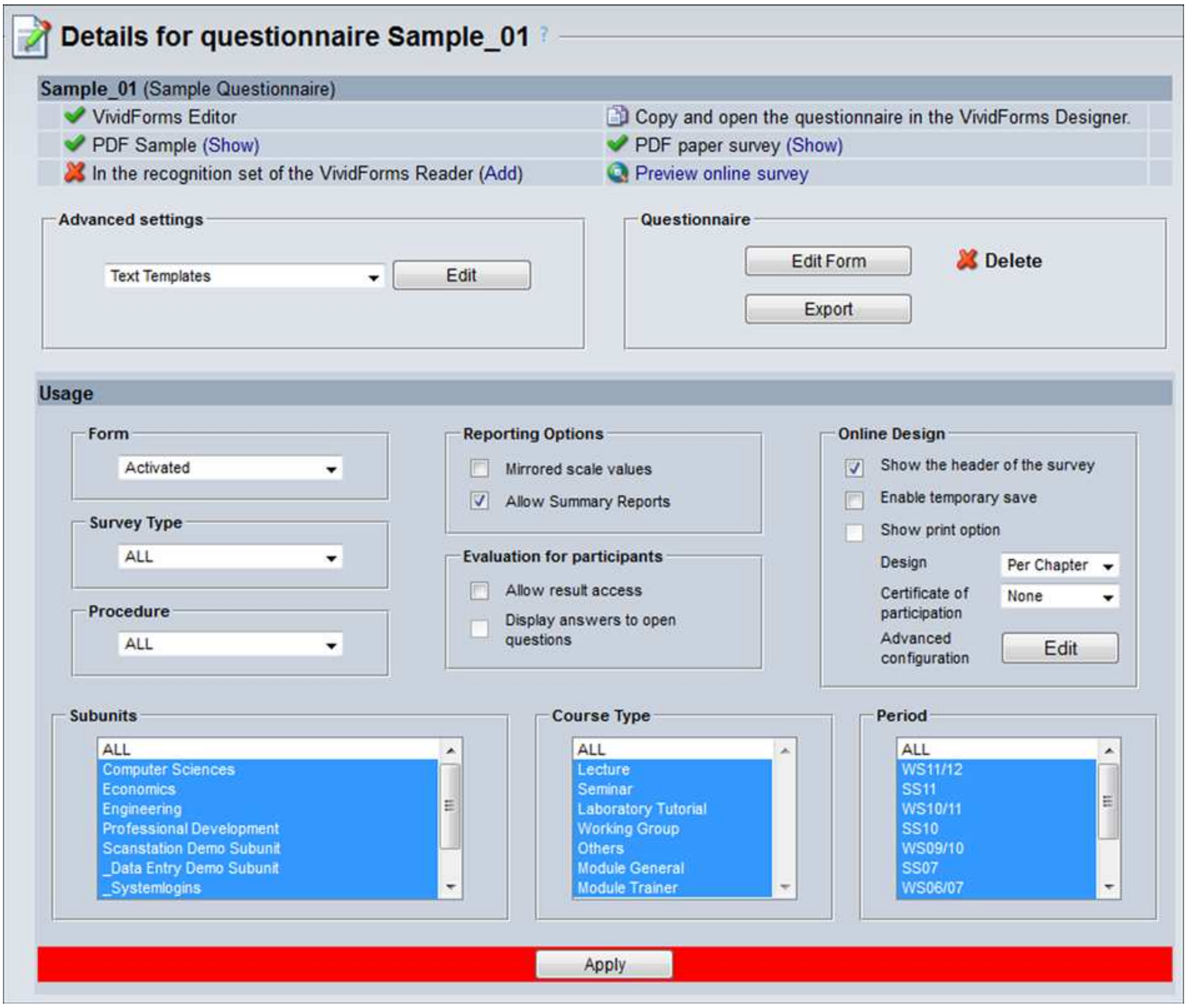
As soon as an active user has added a copy of this questionnaire to his questionnaire administration, a green ball with a white arrow appears in the questionnaire list:



259	Quest_01	Evaluation Questionnaire	05/05/2009	VF Editor	● 🔒 ⇧	Select...

Figure 601: Template Questionnaire Complemented by an Active User

By clicking on the name or description of a questionnaire in the form list you can open a detail view of the questionnaire. You can even choose under “action” the command “details”. In the detail view you can define how the questionnaire will be used:



Details for questionnaire Sample_01

Sample_01 (Sample Questionnaire)

✓ VividForms Editor
Copy and open the questionnaire in the VividForms Designer.
✓ PDF Sample (Show)
✓ PDF paper survey (Show)
✗ In the recognition set of the VividForms Reader (Add)
Preview online survey

Advanced settings: Text Templates

Questionnaire

Usage

Form: Activated
Survey Type: ALL
Procedure: ALL

Reporting Options
☐ Mirrored scale values
☑ Allow Summary Reports

Evaluation for participants
☐ Allow result access
☐ Display answers to open questions

Online Design
☑ Show the header of the survey
☐ Enable temporary save
☐ Show print option
Design: Per Chapter
Certificate of participation: None
Advanced configuration

Subunits: ALL, Computer Sciences, Economics, Engineering, Professional Development, Scanstation Demo Subunit, _Data Entry Demo Subunit, _Systemlogins

Course Type: ALL, Lecture, Seminar, Laboratory Tutorial, Working Group, Others, Module General, Module Trainer

Period: ALL, WS11/12, SS11, WS10/11, SS10, WS09/10, SS07, WS06/07

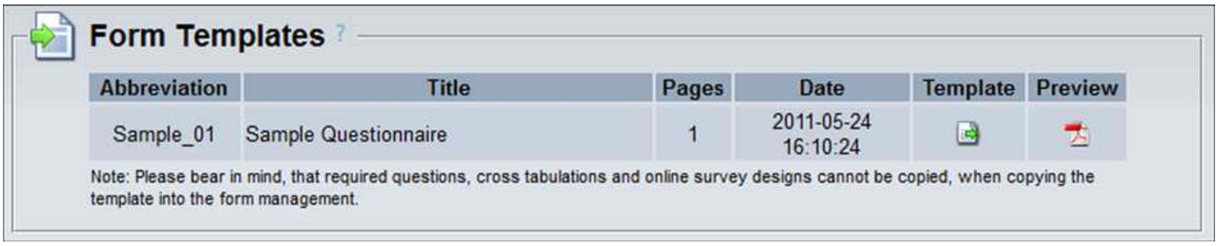
Figure 602: Details for a Questionnaire

The VividForms recognition set organizes itself automatically. As soon as the first survey has been created on the basis of the questionnaire it is activated (= deployed) and can no longer be modified with the editor. If you want to create a new version of the questionnaire then you must copy the questionnaire.

You cannot delete the questionnaire as long as surveys based on the questionnaire are in the system. This is to protect your data.

6.2. Use of Templates in Instructor Accounts

In the menu of the instructor account in the “template” area, you will see a list of questionnaires from the administrator.



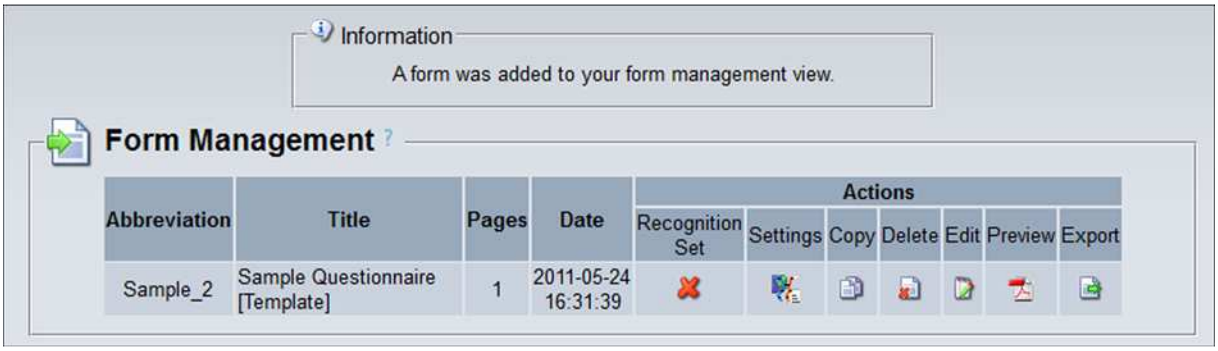
Form Templates

Abbreviation	Title	Pages	Date	Template	Preview
Sample_01	Sample Questionnaire	1	2011-05-24 16:10:24		

Note: Please bear in mind, that required questions, cross tabulations and online survey designs cannot be copied, when copying the template into the form management.

Figure 603: Template in an Instructor Account

By clicking on the symbol 📋 you can create a copy of the template for editing.



Information

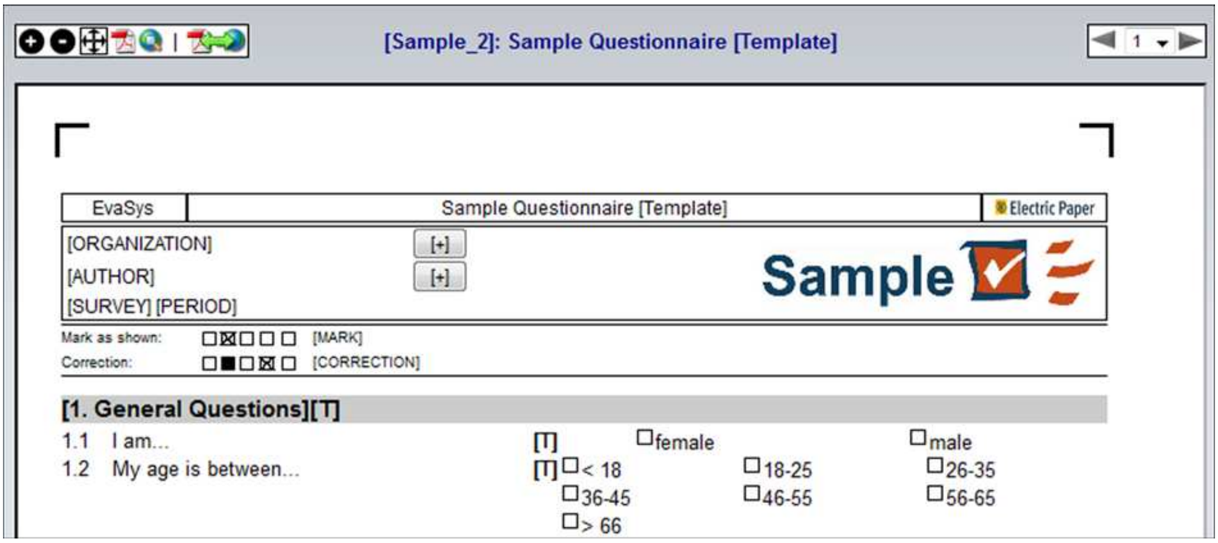
A form was added to your form management view.

Form Management

Abbreviation	Title	Pages	Date	Actions						
				Recognition Set	Settings	Copy	Delete	Edit	Preview	Export
Sample_2	Sample Questionnaire [Template]	1	2011-05-24 16:31:39	✗						

Figure 604: Copy of the Template for Editing

Next you will see the user’s own questionnaire administration with a new entry “(Name of questionnaire) [Template]”. The notice [Template] is automatically added to the heading and shows that the questionnaire is from a template.



EvaSys | Sample Questionnaire [Template] | Electric Paper

[ORGANIZATION] [+]
[AUTHOR] [+]
[SURVEY] [PERIOD]

Sample

Mark as shown: ☐☒☐☐☐ [MARK]
Correction: ☐■☐☒☐ [CORRECTION]

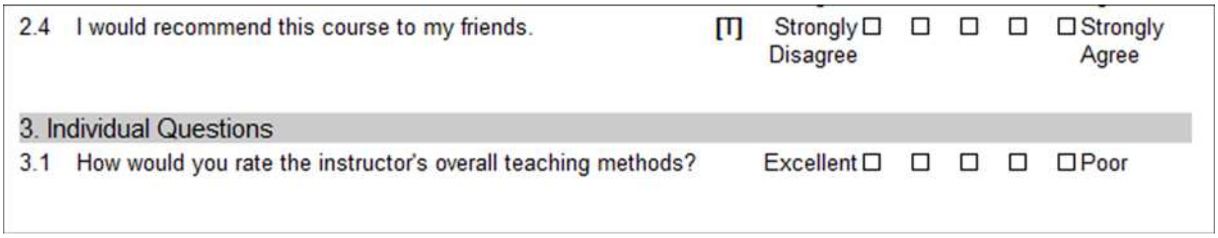
[1. General Questions][T]

1.1 I am... [T] ☐female ☐male
1.2 My age is between... [T] ☐< 18 ☐18-25 ☐26-35 ☐36-45 ☐46-55 ☐56-65 ☐> 66

Figure 605: Editing a Template

If the administrator has given the authorization, a click on the symbol ✎ allows the user to begin editing the questionnaire. Questions from the administrator’s template appear in the Web editor with a [T] (= Template) and cannot be deleted or edited.

The user can add as many question groups and questions as needed, as long as he does not exceed the maximum number of pages or the maximum number of questions defined by the administrator (see form properties of the questionnaire). Before adding a question to the questionnaire, the user first has to create a new question group. Questions cannot be added to groups already created by the administrator. When setting the form properties, the administrator can define that new elements added by users (such as question groups, questions or design elements) may only be inserted at the end of the questionnaire.



2.4 I would recommend this course to my friends. [T] Strongly Disagree ☐ ☐ ☐ ☐ ☐ Strongly Agree

3. Individual Questions

3.1 How would you rate the instructor's overall teaching methods? Excellent ☐ ☐ ☐ ☐ ☐ Poor

Figure 606: Added Question by the Instructor

7. Editing and Passing on Questionnaires

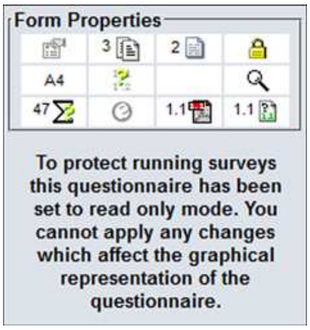
To show the content of a questionnaire click “Editing” in the Drop Down-Menu on the right hand in the list of questionnaires.

Please note: You can edit a questionnaire only as long as you have not activated them. When surveys are created for a questionnaire the questionnaire is automatically protected against modifications. This is done in order to guarantee processing of a form being used. No changes of any sort to the layout or contents can be made to protected forms.

7.1. Write-protect Mode

As soon as you generate a survey with a certain questionnaire it is automatically protected against further changes.

Write-protected forms in the VividForms Editor have a yellow lock in the area “form information” (see figure).



To protect running surveys this questionnaire has been set to read only mode. You cannot apply any changes which affect the graphical representation of the questionnaire.

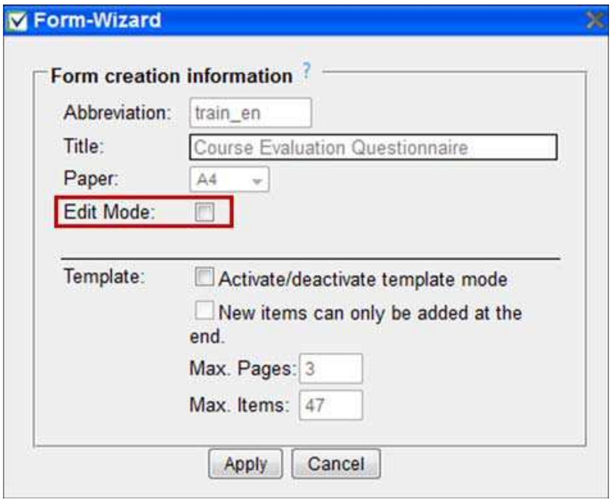
Figure 607: Write-protect Mode

The following points have no effect on the display of the questionnaire and can so be modified in the write-protect mode:

- Building indicators for question groups

- Display of single choice questions in the HTML survey (Options available include “Checkbox List” and “Drop-Down List”)
- For matrix fields, number of groups in the evaluation report
- Limiting the maximum responses for multiple choice questions
- Selection of the diagram type for scaled questions in the PDF report
- Definition of filter rules, required questions and cross tabulations

In particularly exceptional cases (for example for typos), the write-protect mode can be circumnavigated. You can alter the write-protected mode in the form creation information of a questionnaire, as shown in the following graphic.



Abbreviation: train_en
Title: Course Evaluation Questionnaire
Paper: A4
Edit Mode: ☐
Template: ☐ Activate/deactivate template mode
☐ New items can only be added at the end.
Max. Pages: 3
Max. Items: 47

Figure 608: Write-protect Mode in the Form Information

Note:
By editing the form, the questions’ answer boxes can change their position, whereby surveys in circulation can become impossible to evaluate.

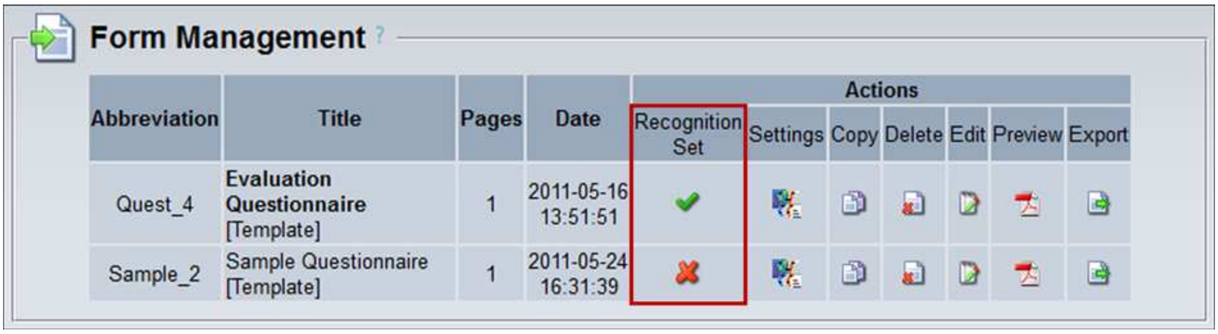
This warning is to be strictly observed! It is generally not recommended to make changes to forms with surveys. We recommend that before activating the editing mode, you make contact with our support team.

7.2. Automatic Recognition Set Management

As soon as a survey has been created using a VividForms questionnaire, VividForms expands its recognition set to assure recognition.

In order to ensure that all returning questionnaires can be correctly processed, it is only possible to delete a questionnaire when simultaneously deleting all surveys based on that questionnaire. This is done automatically when the delete function in the questionnaire administration is activated and confirmed. Use this function therefore with extreme care.

The user of an activated user account must be extremely careful when deleting a questionnaire he has created himself, because there may be surveys which depend upon the questionnaire to be processed. The delete function can only be activated by opening the lock symbol 🔒. When a questionnaire is deleted, ALL surveys based on that questionnaire will be automatically deleted as well.



Form Management

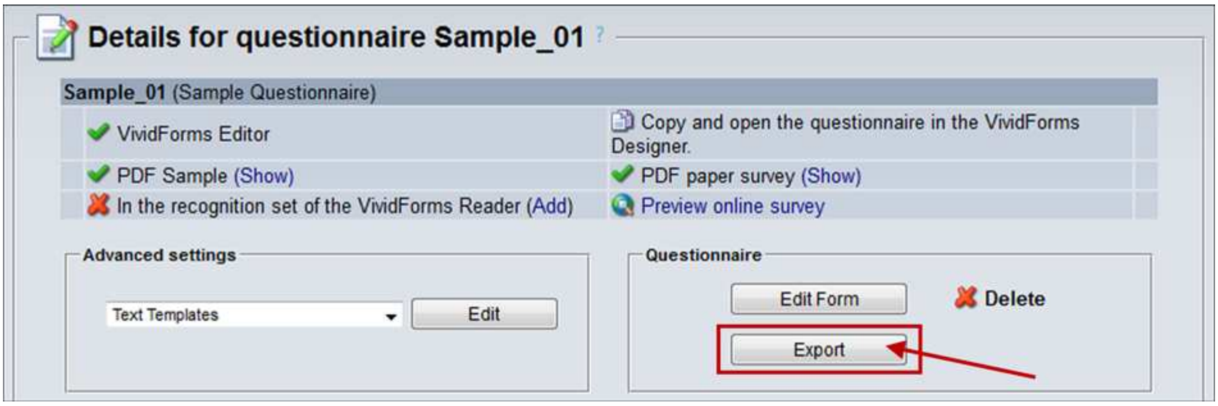
Abbreviation	Title	Pages	Date	Actions						
				Recognition Set	Settings	Copy	Delete	Edit	Preview	Export
Quest_4	**Evaluation Questionnaire** [Template]	1	2011-05-16 13:51:51	✓						
Sample_2	Sample Questionnaire [Template]	1	2011-05-24 16:31:39	✗						

Figure 609: Form Management of an Active Instructor

7.3. Import/Export of VividForms Questionnaires

VividForms forms can be exported as files. These files have the ending “vfd”.

As a (subunit) Administrator, the export function is available in the details of a questionnaire (“Settings/Questionnaire/Details”), by clicking on the [Export] button.



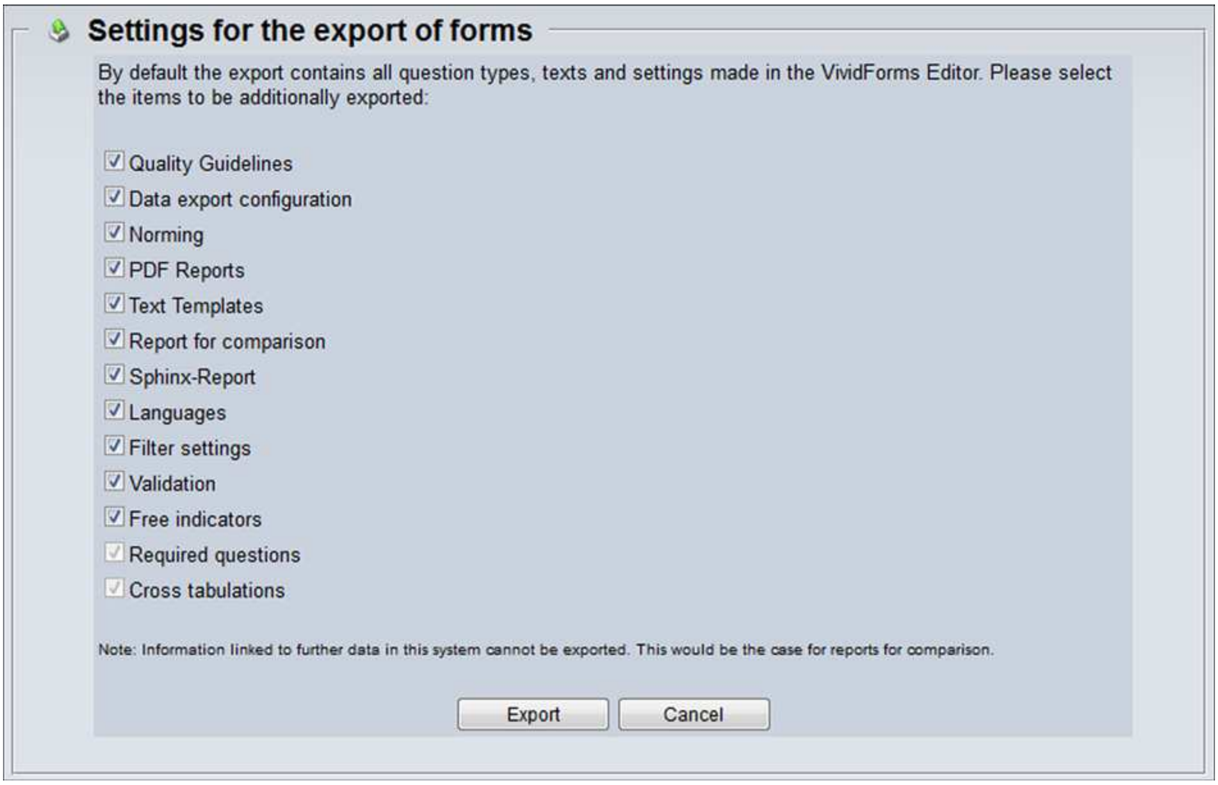
Details for questionnaire Sample_01

Sample_01 (Sample Questionnaire)

✓ VividForms Editor	Copy and open the questionnaire in the VividForms Designer.
✓ PDF Sample (Show)	✓ PDF paper survey (Show)
✗ In the recognition set of the VividForms Reader (Add)	Preview online survey

Figure 610: Exporting a Questionnaire

A new dialog containing the settings for the export of forms opens. As well as the standard properties (questions, open text, images, formats etc.), here you can select which additional properties of the form are to be exported:



Settings for the export of forms

By default the export contains all question types, texts and settings made in the VividForms Editor. Please select the items to be additionally exported:

☑ Quality Guidelines
☑ Data export configuration
☑ Norming
☑ PDF Reports
☑ Text Templates
☑ Report for comparison
☑ Sphinx-Report
☑ Languages
☑ Filter settings
☑ Validation
☑ Free indicators
☑ Required questions
☑ Cross tabulations

Note: Information linked to further data in this system cannot be exported. This would be the case for reports for comparison.

Figure 611: Settings for the Export of Forms

The following items can be additionally exported:

- Quality Guidelines
- Data export configuration
- Norming
- PDF Reports
- Text Templates
- Report for comparison
- Sphinx-Report
- Languages
- Filter settings
- Validation
- Required questions
- Cross Tabulations

Note:

Attention: It is sometimes possible that information which is linked to other data in the system cannot be imported into another system. If, for example, a comparison report was created for a questionnaire (i.e. to a subunit report or similar), the import of this report is only available to its own system, not to an external system.

You can get to the export function in the questionnaire detail dialog (Questionnaires/ Questionnaire List/Details).

The import of VividForms questionnaires is done in the questionnaire administration (Settings/Questionnaire). Activate the checkbox “VividForms”. Then select an vfd file using “search…” and upload it.

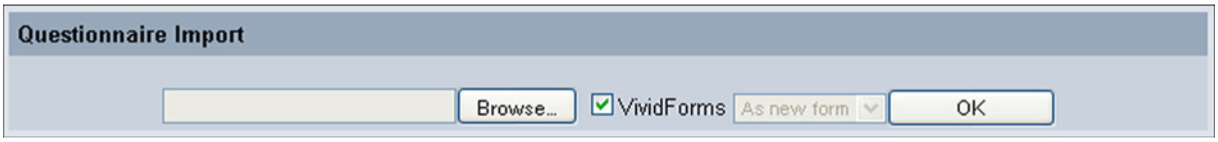
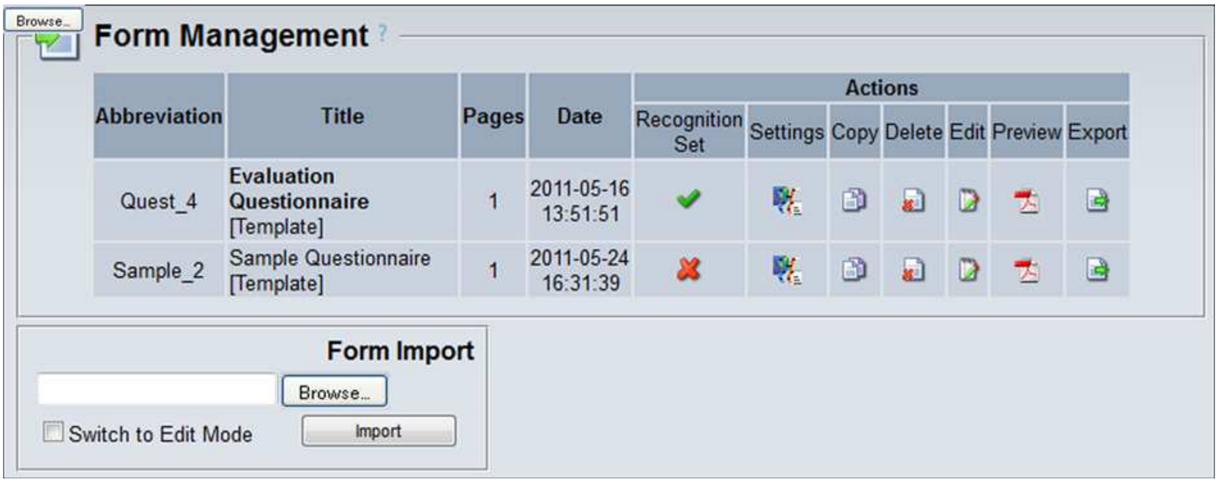


Figure 612: Questionnaire Import

You can also import and export VividForms questionnaires using active instructor accounts. The active instructor will find a form import function in the questionnaire administration area. Imported forms are subsequently only available to the instructor account owner. In the list of personal questionnaires you will see an export function, which can create a .vfd file.



Abbreviation	Title	Pages	Date	Actions						
				Recognition Set	Settings	Copy	Delete	Edit	Preview	Export
Quest_4	**Evaluation Questionnaire** [Template]	1	2011-05-16 13:51:51	✓						
Sample_2	Sample Questionnaire [Template]	1	2011-05-24 16:31:39	✗						

Figure 613: Import and Export of Questionnaires for Active Users

Active users have limited access to the import and export of secondary data. Only the following form attributes can be imported or exported with the questionnaire:

- Filter settings
- Validation
- Required questions
- Cross Tabulations

If the administrator exports a questionnaire with secondary data, such as languages, text templates, norms etc., these are automatically filtered out when the questionnaire is imported into an active user account.

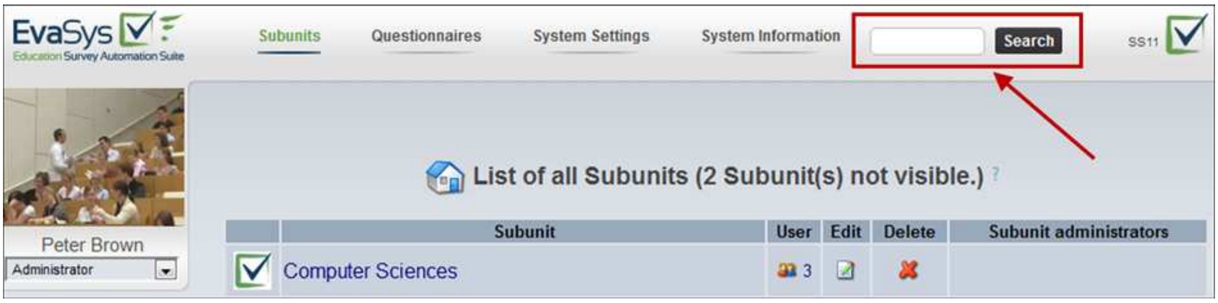
D. System Settings and Management

1. System Management and Summary

1.1. Search

With the search function you can search for users, courses, surveys as well as deliveries either individually or in combination.

The search function can be found on all menu pages in the upper right hand corner. Enter your search term and click on [Search]. All four categories are searched and you are directed straight to the search result pages.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
List of all Subunits (2 Subunit(s) not visible.)

	Subunit	User	Edit	Delete	Subunit administrators
☑	Computer Sciences	3		✗	

Figure 614: Search Function

You can find the same results by opening the EvaSys searchmask at “System Information/Search” and making no restrictions in “Search In”.

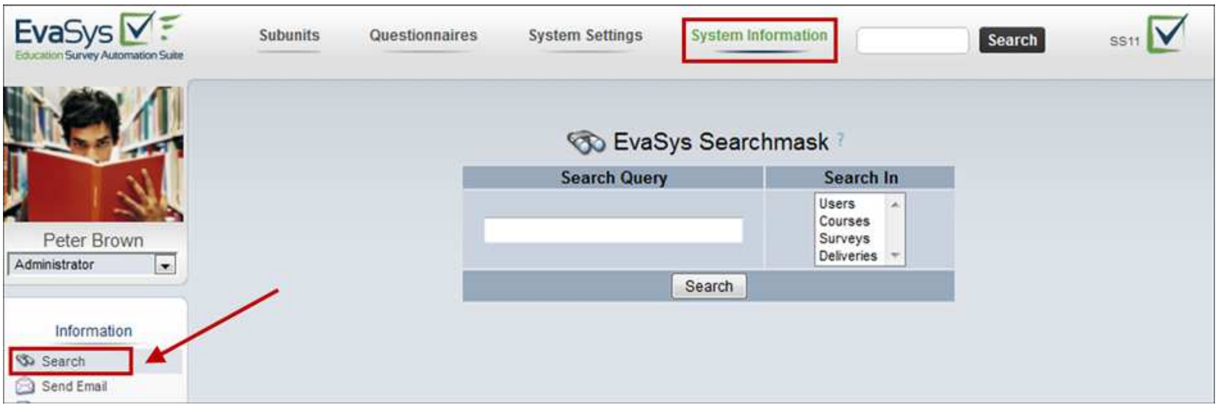

EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Information
Search
Send Email
EvaSys Searchmask
Search Query
Search In
Users
Courses
Surveys
Deliveries
Search

Figure 615: Searchmask

For the search text you may use the following operators:

Without operator: “day”

Entering “day” as a search term leads you to day, Monday, Daytona, daylight. Wildcard characters are automatically placed before and after the search term.

The same as the search term: “=day” or “+day”

The search term “=day” will just return day. Alternatively you can use “+day”. In contrast to “=day”, “+day” can be expanded by an asterisk, that is “+day*”, which also returns the term Daytona.

Exclude a term:“day –Monday“

Returns day, Tuesday, Daytona, etc.. but not Monday.

Greater than:“>10”

Returns number entries that are greater than 10.

Smaller than:“>10”

Returns number entries that are smaller than 10.

You can combine more than one search term, e.g. “day + Henry –Maria” searches for text passages in which the terms “day” and “Henry” but not “Maria” are found.

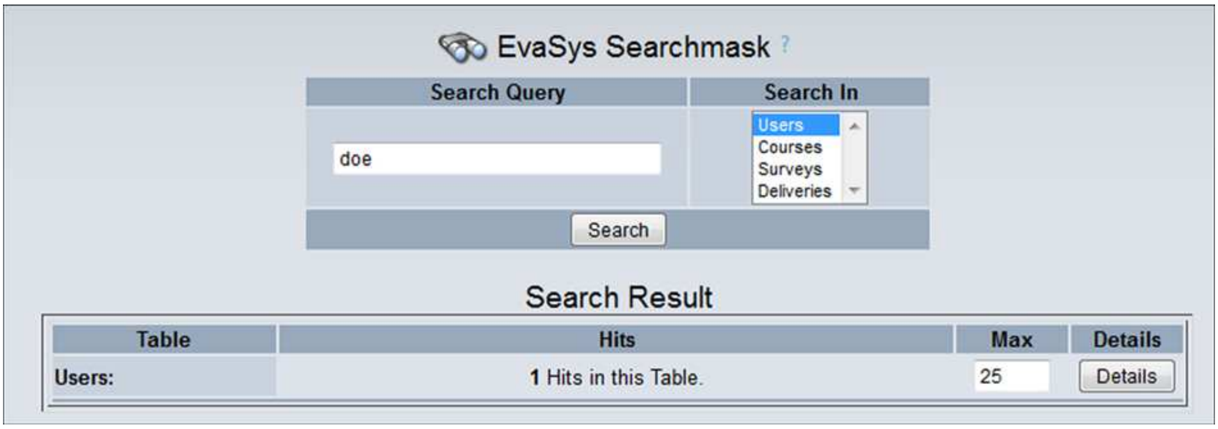
1.1.1. Searching for Users

Searches for users are conducted in the profile fields, title, first name, last name, user name and email.

Example:

You are searching for users who have the word “William” in their profile data.

Enter “William” as a search term and highlight “user” as search goal. Then click on [Search].



Search Query: doe

Search In: Users

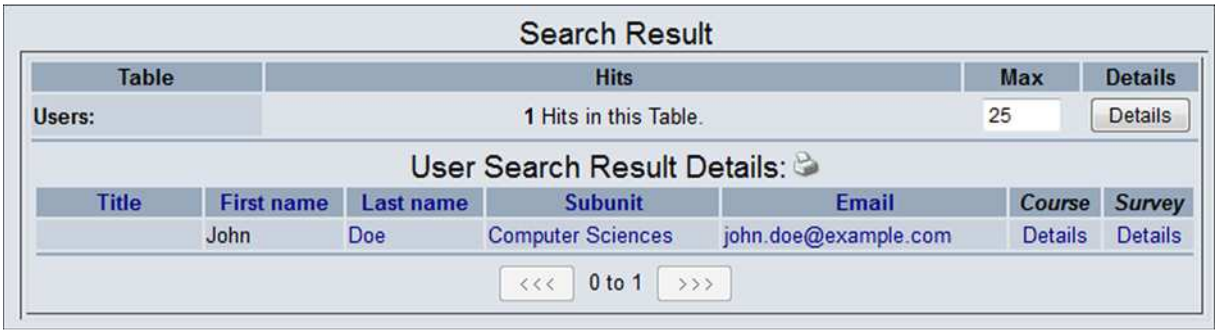
Search Result

Table	Hits	Max	Details
Users:	1 Hits in this Table.	25	Details

Figure 616: Searching for Users

You will then see under the search template the area for search results. In “hits” you see that two users were found.

Click on [Details] to display the search returns.



Search Result

Table	Hits	Max	Details
Users:	**1** Hits in this Table.	25	Details

User Search Result Details:

Title	First name	Last name	Subunit	Email	Course	Survey
	John	Doe	Computer Sciences	john.doe@example.com	Details	Details

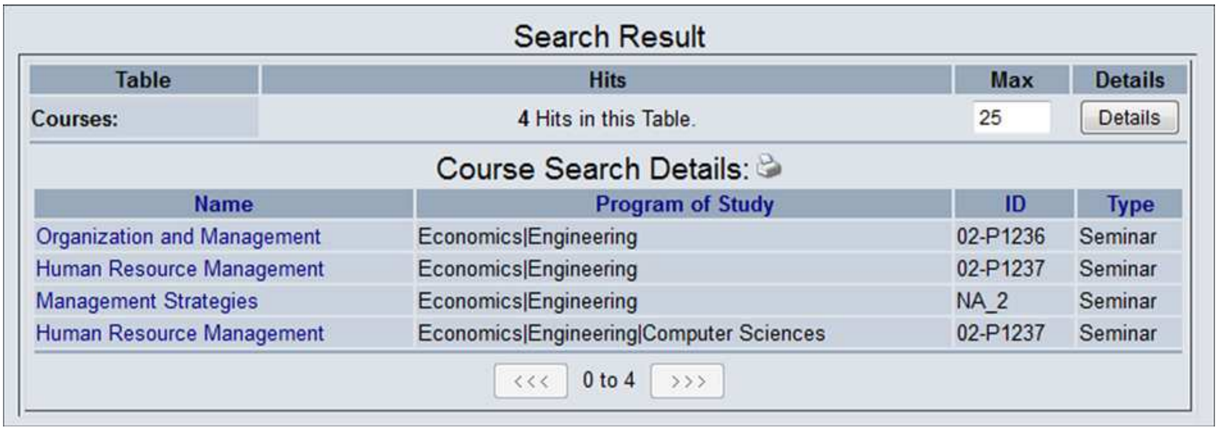
Figure 617: Search Result Details

The results can be sorted in ascending or descending order by clicking on the column name. The data fields are themselves the references:

- Last name: Refers to the user profile
- Subunit: Refers to the subunit window
- Email: Initiates an email to the relevant user
- Surveys: Opens the surveys of the user

1.1.2. Search for Courses

With this search you can find details about existing courses.



Search Result

Table	Hits	Max	Details
Courses:	**4** Hits in this Table.	25	Details

Course Search Details:

Name	Program of Study	ID	Type
Organization and Management	Economics|Engineering	02-P1236	Seminar
Human Resource Management	Economics|Engineering	02-P1237	Seminar
Management Strategies	Economics|Engineering	NA_2	Seminar
Human Resource Management	Economics|Engineering|Computer Sciences	02-P1237	Seminar

Figure 618: Search for courses

In the example a search has been made for the term “mathematics*”.

The columns of the results table can also be sorted in ascending or descending order. By clicking on a course you will be taken directly to the course details.

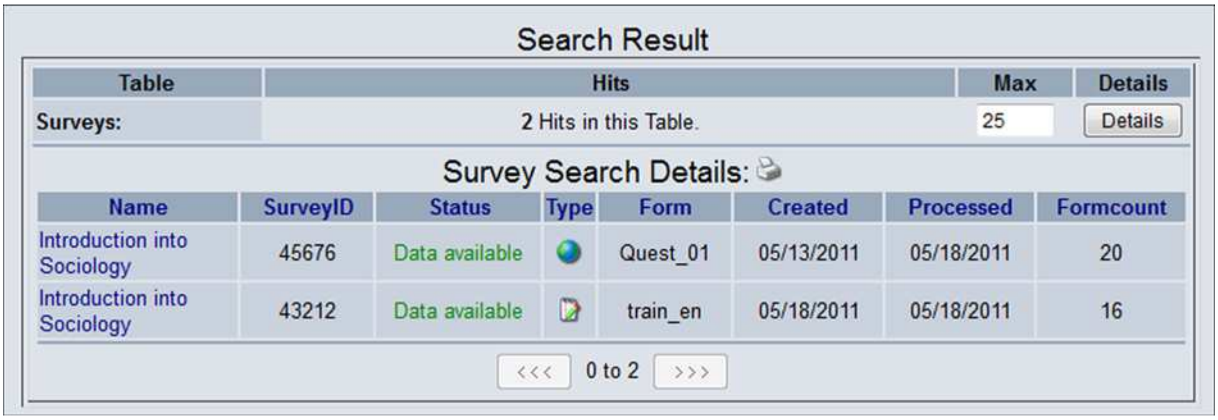
Searches are carried out in the databases program of study, course name, location, type and ID.

The following data fields are displayed

- Name: Name of the course, at the same time a reference to the course data
- Program of study
- ID
- Type

1.1.3. Search for Surveys

This search allows you to find surveys. The search takes place in the survey data fields creation data, processing date, survey name, survey ID and number of returns.



Search Result

Table	Hits	Max	Details
Surveys:	2 Hits in this Table.	25	Details

Survey Search Details:

Name	SurveyID	Status	Type	Form	Created	Processed	Formcount
Introduction into Sociology	45676	Data available	🌐	Quest_01	05/13/2011	05/18/2011	20
Introduction into Sociology	43212	Data available	📄	train_en	05/18/2011	05/18/2011	16

Figure 619: Search for surveys

Displayed are:

- **Survey name:** at the same time a reference to the survey folder
- **SurveyID:** this number is identical to the operation number on the questionnaire without the check digit
- **Status:** ready, data existing, validation or deleted
- **Type:** Paper or online survey
- **Form:** short name of the questionnaire
- **Creation:** date the survey was created
- **Processed:** date of the (last) time this survey was carried out
- Number returns (form count): number of scanned questionnaires (empty questionnaires are counted)

1.1.4. Search for Deliveries

The content of the search table for deliveries is identical to the delivery table in the menu“System Information/Deliveries” (see Section 5.6.7). The search is conducted in the fields survey ID, target address, date as well as first and last name of the recipient.

The table contains the following information:

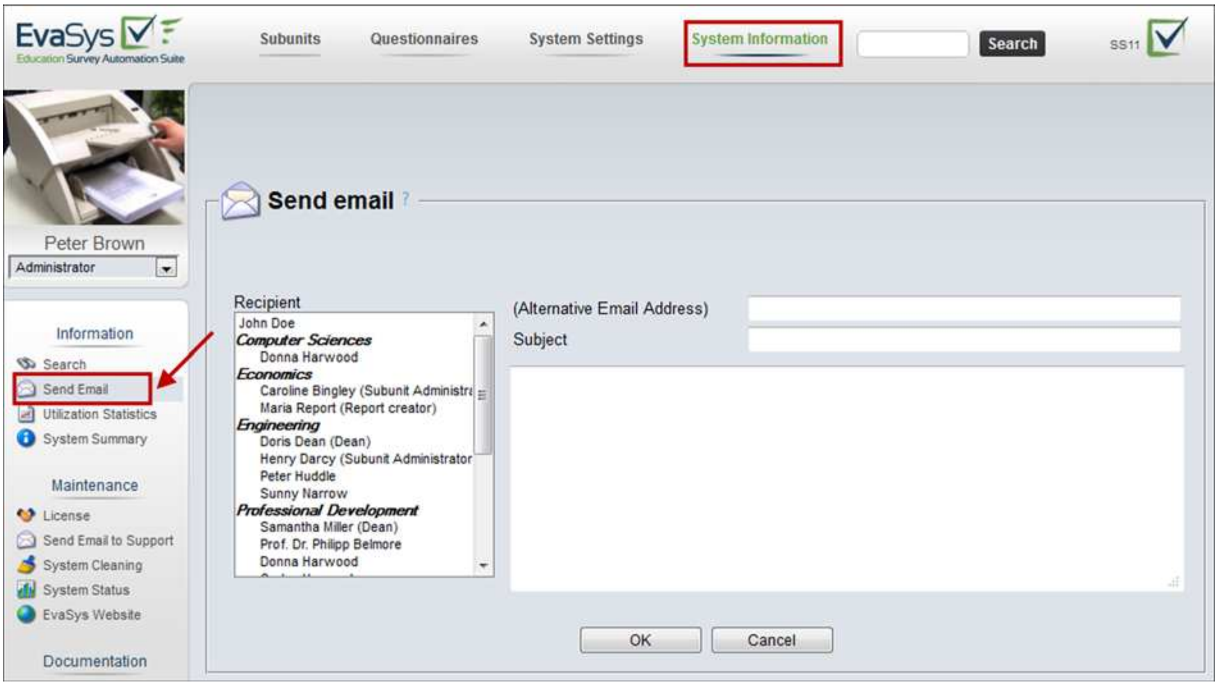
- **Batch:** Batch ID of jobs which contains the questionnaires processed for this survey.
- **Survey:** Name of the survey, the questionnaire module (i.e. of the questionnaire) as well as the course type.
- **Recipient:** The recipient is also the owner of the instructor account.
- **Target address:** Target email addresses or internal email addresses the reports have been sent to.
- **Method:** Delivery method either email (letter symbol) or internal email (paper symbol)
- **Sent:** Tells whether the report has been sent or printed
- **Delivery date:** Date of the email delivery or the internal email print download.

1.2. Writing Email

This function gives you the possibility to send a message to all EvaSys users.

By selecting all users (press the left-hand button on the mouse and pull to the bottom of the list) you can send an email to all users. As soon as two or more recipients are selected, EvaSys sends the email via the BCC field (blind copy) so that the addresses of the recipients cannot be seen. Please remember that creating hundreds of emails could take, depending on the email server load, several minutes.

Enter a subject line as well as a message and then click on “OK” to send the email. You can see if this action was successful in the display line at the top of the browser window.


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Information
Search
Send Email
Utilization Statistics
System Summary
Maintenance
License
Send Email to Support
System Cleaning
System Status
EvaSys Website
Documentation
Send email
Recipient
(Alternative Email Address)
Subject
OK
Cancel

Recipient
John Doe
Computer Sciences
Donna Harwood
Economics
Caroline Bingley (Subunit Administra
Maria Report (Report creator)
Engineering
Doris Dean (Dean)
Henry Darcy (Subunit Administrator
Peter Huddle
Sunny Narrow
Professional Development
Samantha Miller (Dean)
Prof. Dr. Philipp Belmore
Donna Harwood

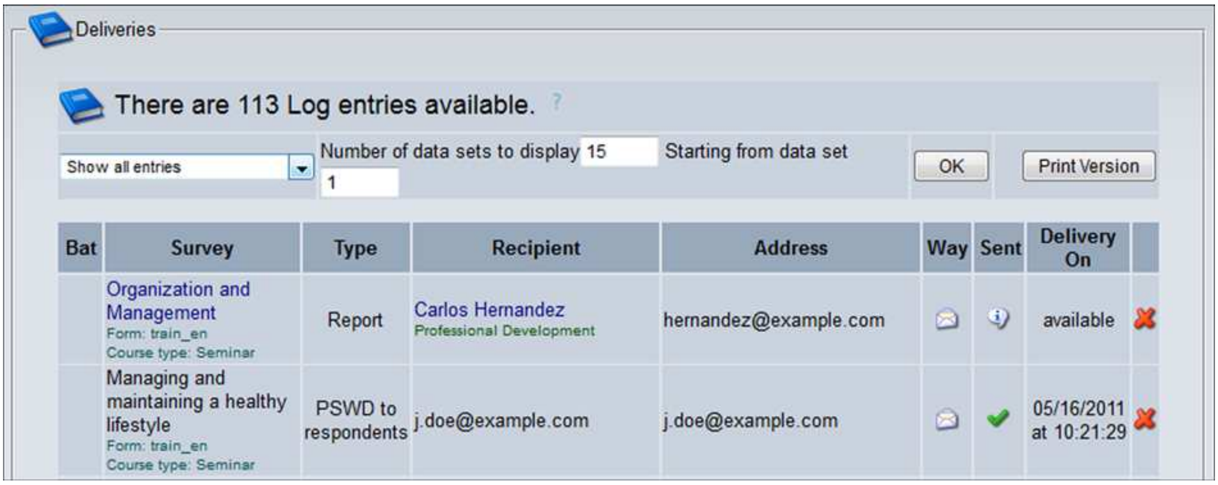
Figure 620: Writing an email to users

The sender address and the sender name are taken from data in the user profile of the administrator.

Other email types, some of which are created automatically, receive sender data from “EvaSys Settings/Email Functions & Accounts/Sender Name for all System Emails”.

1.3. Delivery

Here you will find a table with a list of all report emails that have been sent.


Deliveries
There are 113 Log entries available.
Show all entries
Number of data sets to display 15
Starting from data set 1
OK
Print Version

Bat	Survey	Type	Recipient	Address	Way	Sent	Delivery On	
	Organization and Management Form: train_en Course type: Seminar	Report	Carlos Hernandez Professional Development	hernandez@example.com	✉	ⓘ	available	✗
	Managing and maintaining a healthy lifestyle Form: train_en Course type: Seminar	PSWD to respondents	j.doe@example.com	j.doe@example.com	✉	✓	05/16/2011 at 10:21:29	✗

Figure 621: Delivery details

You will find the following information in the table:

Bat: Batch ID of jobs which contain the questionnaires processed for this survey.

Survey: The name of the survey, the questionnaire module (i.e. the questionnaire) as well as the course type. The survey name is also a link which provides access to the surveys of the relevant instructor account.

Type: Enter the content of the delivery, e.g. “default report”, “activate template” or “cover sheet”.

Recipient: The recipient is also the owner of a instructor account. In addition the name of the subunit is given in which the instructor account is located. The instructor name is also a link which provides access to his or her user profile.

Address: The target email address or the internal email address to which the report will be sent. When the internal email address is used (only in the self registering procedure), then reports that are ready for delivery must be accessed through the internal email printing account.

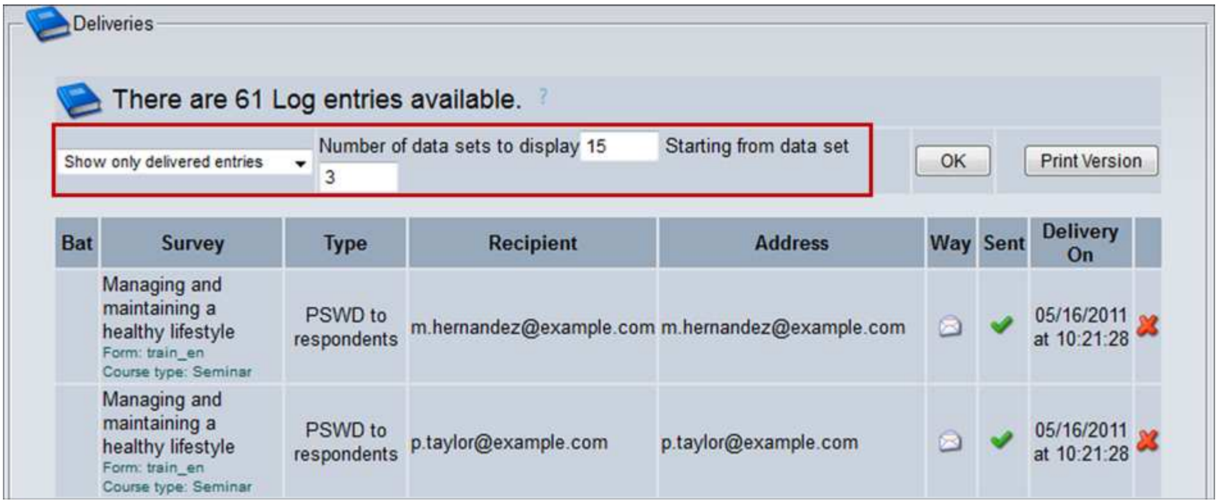
Method: Symbolizes the method of transmission. This is either email (letter symbol) or internal email (paper symbol).

Sent: Tells whether the report has been sent or printed.(green checkmark). A blue “I” means that the report has neither been sent nor downloaded.

Delivery on: Date of the email delivery or internal email printing download.

With the red X symbol you can delete individual entries.

The settings in the head of the table allow you to refine your search queries.



There are 61 Log entries available.

Show only delivered entries

Number of data sets to display 15

Starting from data set 3

Bat	Survey	Type	Recipient	Address	Way	Sent	Delivery On	
	Managing and maintaining a healthy lifestyle Form: train_en Course type: Seminar	PSWD to respondents	m.hernandez@example.com	m.hernandez@example.com	✉	✓	05/16/2011 at 10:21:28	✗
	Managing and maintaining a healthy lifestyle Form: train_en Course type: Seminar	PSWD to respondents	p.taylor@example.com	p.taylor@example.com	✉	✓	05/16/2011 at 10:21:28	✗

Figure 622: Search Query under “Delivery”

With the button [Print Version] a printer friendly version will be displayed.

1.4. Batch Export

You can use the Batch Export (“Subunits/Batch Export”) to display all the raw data from each survey in one or several subunits, as well as to export an overview of the response rate for one or more online surveys.

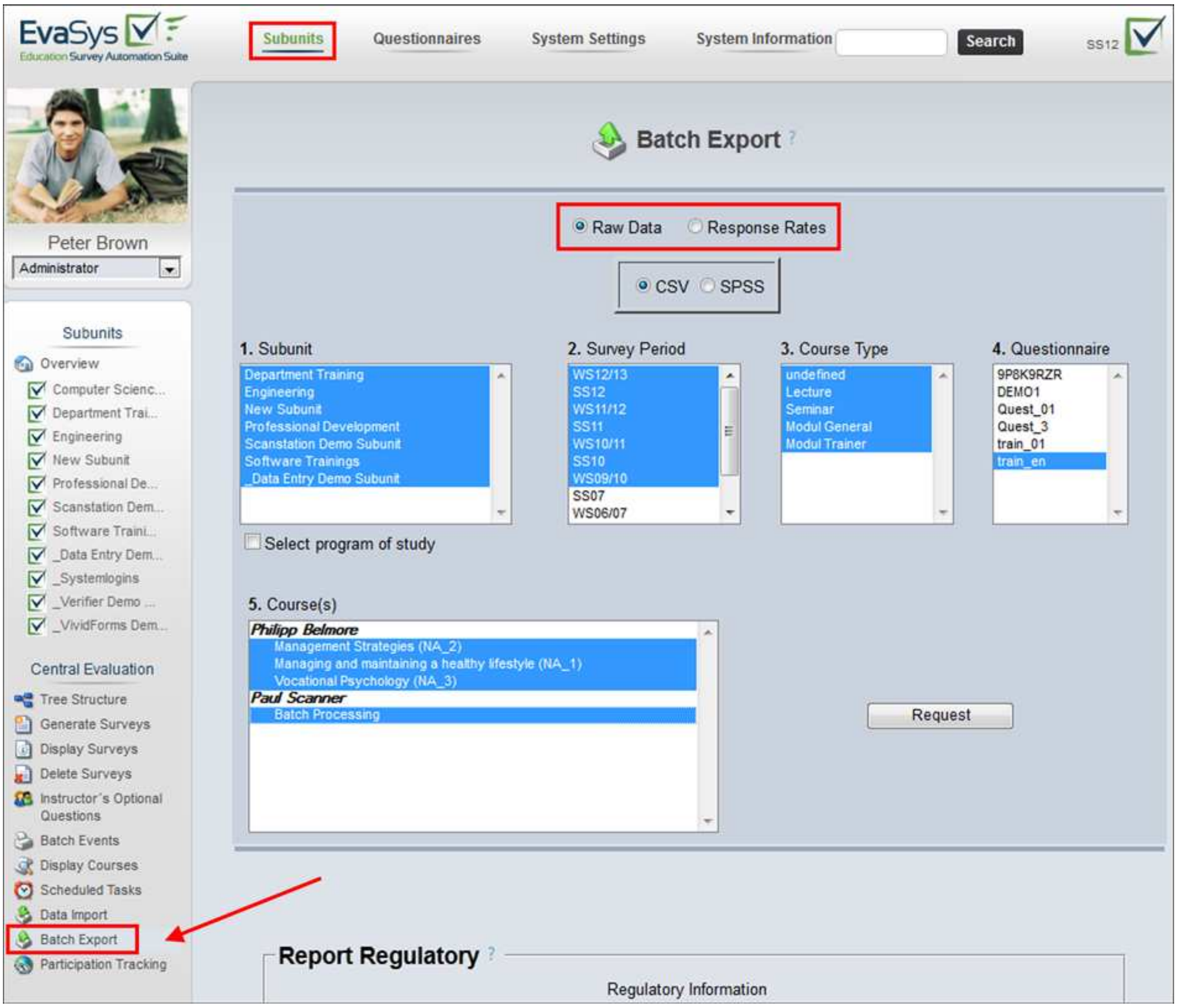

EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS12
Peter Brown
Administrator
Subunits
Overview
Computer Scienc...
Department Trai...
Engineering
New Subunit
Professional De...
Scanstation Dem...
Software Traini...
_Data Entry Dem...
_Systemlogins
_Verifier Demo ...
_VividForms Dem...
Central Evaluation
Tree Structure
Generate Surveys
Display Surveys
Delete Surveys
Instructor's Optional Questions
Batch Events
Display Courses
Scheduled Tasks
Data Import
Batch Export
Participation Tracking
Batch Export
● Raw Data ○ Response Rates
● CSV ○ SPSS
1. Subunit
Department Training
Engineering
New Subunit
Professional Development
Scanstation Demo Subunit
Software Trainings
_Data Entry Demo Subunit
2. Survey Period
WS12/13
SS12
WS11/12
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
3. Course Type
undefined
Lecture
Seminar
Modul General
Modul Trainer
4. Questionnaire
9P8K9RZR
DEMO1
Quest_01
Quest_3
train_01
train_en
☐ Select program of study
5. Course(s)
Philipp Belmore
Management Strategies (NA_2)
Managing and maintaining a healthy lifestyle (NA_1)
Vocational Psychology (NA_3)
Paul Scanner
Batch Processing
Request
Report Regulatory
Regulatory Information

Figure 623: Batch Export

1.4.1. Raw Data Export

In the upper part of the window, select the option “Raw Data” and the export format (CSV, SPSS, or Sphinx, if licensed) and then select the subunit, the period, and the questionnaire you wish to use from the list. This prevents EvaSys from exporting all data.

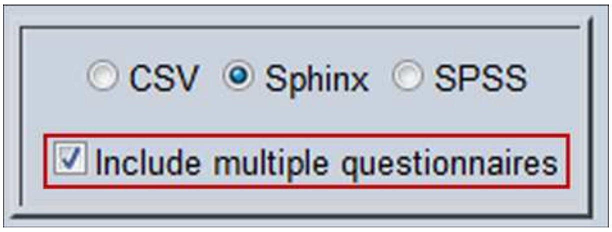
For the batch export, three export formats are available:

CSV: A text file with the raw data of all selected surveys is exported (including the course data).

Sphinx: A ZIP file with the questionnaire contents, the raw data of all selected surveys (including the course data) as well (optional) an evaluation template is exported.

SPSS: A SAV file with the questionnaire contents as well as the raw data of all selected surveys (including the course data) is exported.

In the case of Sphinx and SPSS, a special feature offers the ability to export across several questionnaires. In this way, survey projects consisting of several questionnaire types, such as 360°-Feedbacks, can be easily exported in a single large file and processed with the Sphinx-Statistic-Workbench or SPSS.



○ CSV ● Sphinx ○ SPSS

☑ Include multiple questionnaires

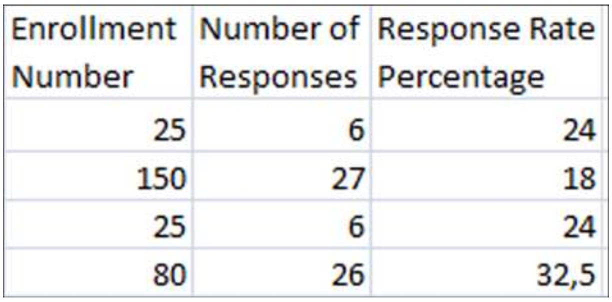
Figure 624: Batch Export of Several Questionnaires (Sphinx and SPSS)

1.4.2. Response Rate Export

To export information on the response rate for one or more surveys, select the option “Response Rates.” The export can include surveys with several questionnaires, provided this option is activated.

Filter the information to be exported by selecting the subunit, period, course type, and questionnaire after selecting the course, and click [Request].

A CSV file will be downloaded which shows the number of participants, the number of responses, and the response rate in percent for each course selected.



Enrollment Number	Number of Responses	Response Rate Percentage
25	6	24
150	27	18
25	6	24
80	26	32,5

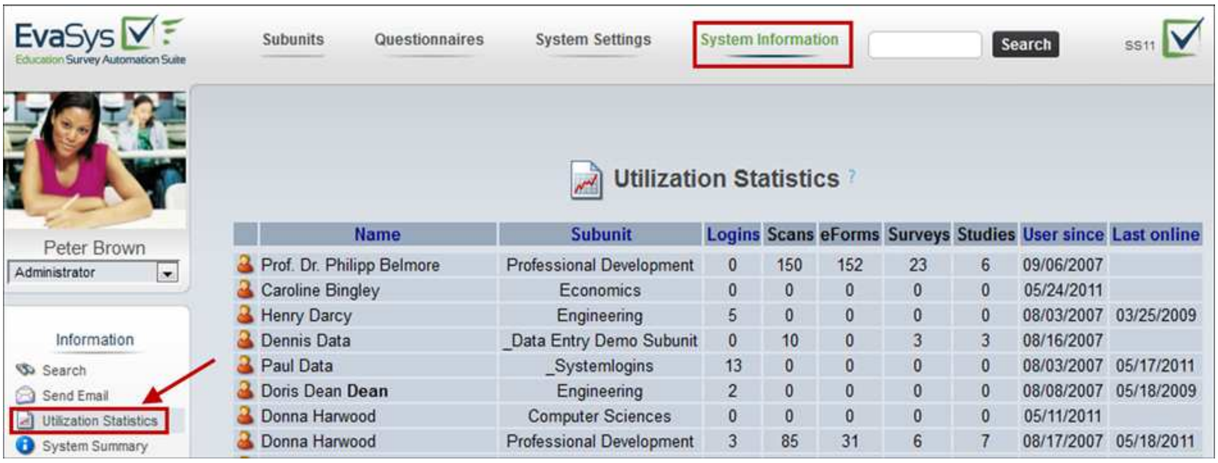
Figure 625: Exporting Response Rates

1.5. Utilization Statistics

In the section utilization statistics (in the Menu System Information) you will receive an overview about the utilization behaviour of EvaSys users.

At the top of the screen you will see two graphics. At the left is the top 20 instructors according to the number of surveys.

At the right you will see the top 20 in relation to the number of logins. This number is of course interesting only in connection with the decentral model. Complete access is only allowed the administrator and the deans. Normal user accounts can only see the data of those users who in their configuration have permitted this.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Information
Search
Send Email
Utilization Statistics
System Summary

Utilization Statistics

Name	Subunit	Logins	Scans	eForms	Surveys	Studies	User since	Last online
Prof. Dr. Philipp Belmore	Professional Development	0	150	152	23	6	09/06/2007	
Caroline Bingley	Economics	0	0	0	0	0	05/24/2011	
Henry Darcy	Engineering	5	0	0	0	0	08/03/2007	03/25/2009
Dennis Data	_Data Entry Demo Subunit	0	10	0	3	3	08/16/2007	
Paul Data	_Systemlogins	13	0	0	0	0	08/03/2007	05/17/2011
Doris Dean **Dean**	Engineering	2	0	0	0	0	08/08/2007	05/18/2009
Donna Harwood	Computer Sciences	0	0	0	0	0	05/11/2011	
Donna Harwood	Professional Development	3	85	31	6	7	08/17/2007	05/18/2011

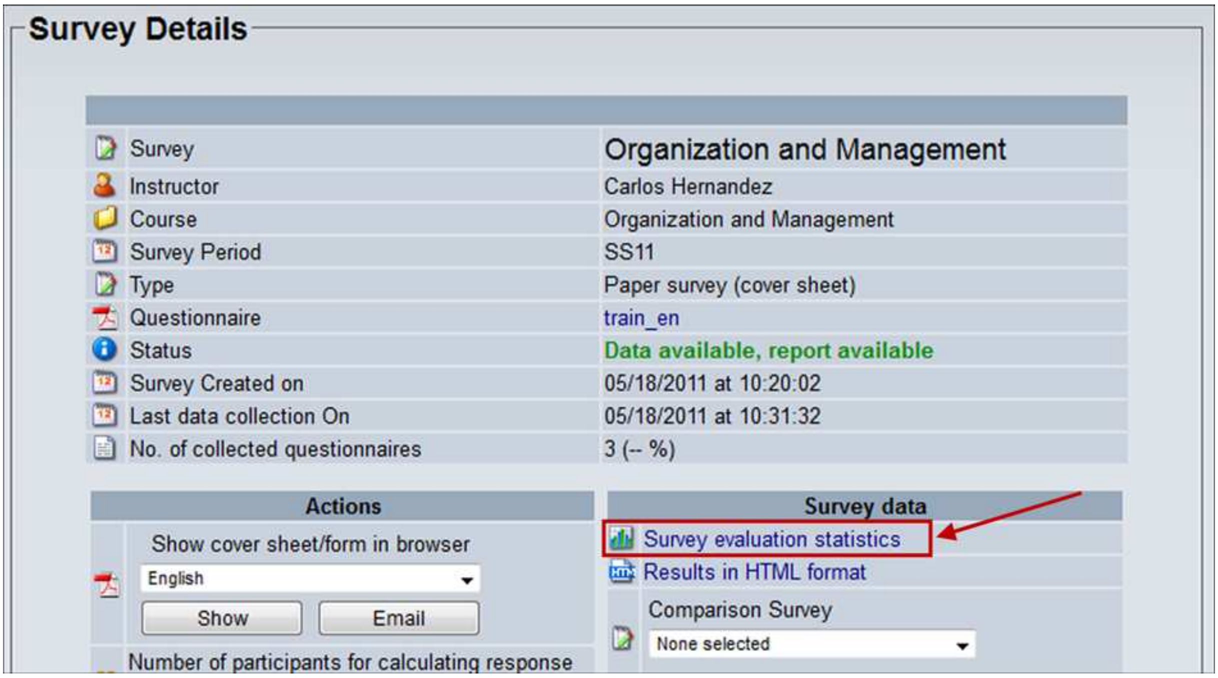
Figure 626: Utilization Statistics

The following data fields are found in the table:

- **Name:** Title, first and last name of the user Subunit
- **Subunit:** Name of the subunit in which the user profile is located
- **Logins:** Number of logins since the user account was created Scans
- **Scans:** Number of scanned paper survey questionnaires. The number of questionnaire sets, not the number of pages, are counted
- **eForms:** Number of completed online questionnaires, both the HTML and the PDF based online surveys
- **Surveys:** Number of surveys which are in the user account at a given time.
- **Studies:** Number of folders the owner has
- **User since:** Date the account was set up
- **Last online:** Date of the last login

1.6. Evaluation Statistics

You can find the evaluation statistics in the details of a paper survey where you have scanned in data:



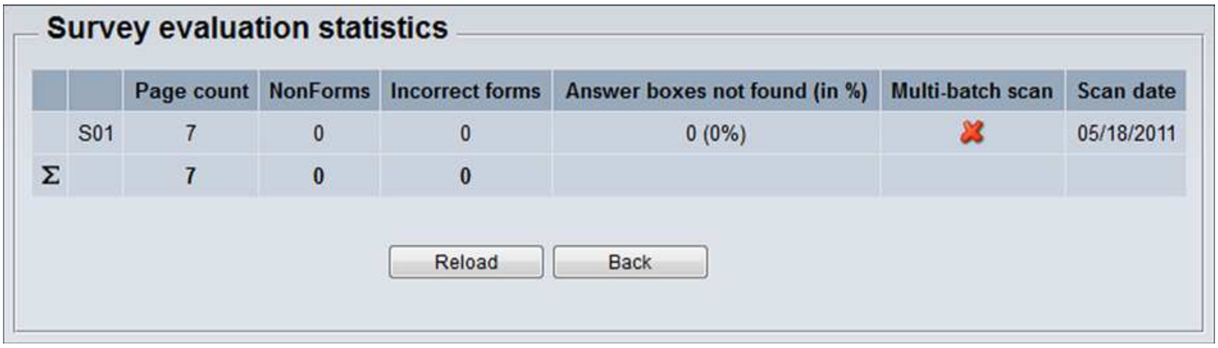
Survey Details

Survey	Organization and Management
Instructor	Carlos Hernandez
Course	Organization and Management
Survey Period	SS11
Type	Paper survey (cover sheet)
Questionnaire	train_en
Status	Data available, report available
Survey Created on	05/18/2011 at 10:20:02
Last data collection On	05/18/2011 at 10:31:32
No. of collected questionnaires	3 (-- %)

Actions
Show cover sheet/form in browser
English
Show
Email
Number of participants for calculating response
Survey data
Survey evaluation statistics
Results in HTML format
Comparison Survey
None selected

Figure 627: Survey evaluation statistics

Therein, the header data of all scanned batches from a survey are displayed in a table. This data allows you to see the time and size of the scanning operation.



Survey evaluation statistics

		Page count	NonForms	Incorrect forms	Answer boxes not found (in %)	Multi-batch scan	Scan date
	S01	7	0	0	0 (0%)	✗	05/18/2011
Σ		**7**	**0**	**0**			

Reload
Back

Figure 628: Details of Survey EvaluationStatistics

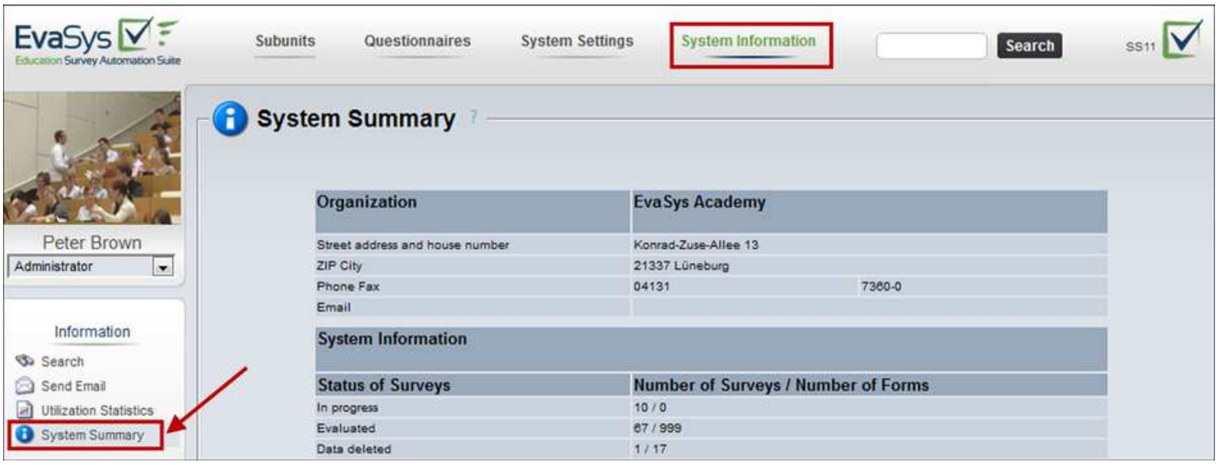
The specifications:

- Name of **Scanstation** which captured the batch.
- **Number of Pages** of the batch. For Duplex scanners 1 sheet = 2 pages
- Number of non-recognized pages = **NonForms**, these can also be empty pages
- Number of **False Forms**, forms that recognized as EvaSys forms but did not belong to the scanned survey.

- Number of **check boxes which could not be found**, that is, the number of sections to be read which could not be located by the VividForms Reader (OMR errors).
- Marking whether the batch was part of a **Multi-batch** (only with VividForms forms)
- **Scan Date** of the batch

1.7. System Information

This is where you will receive an overview of the number of surveys in the system as well as in the all subunits. Click “System Information/System Summary”.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Information
Search
Send Email
Utilization Statistics
System Summary

System Summary

Organization	EvaSys Academy	
Street address and house number	Konrad-Zuse-Allee 13	
ZIP City	21337 Lüneburg	
Phone Fax	04131	7360-0
Email		
System Information		
Status of Surveys	**Number of Surveys / Number of Forms**	
In progress	10 / 0	
Evaluated	67 / 999	
Data deleted	1 / 17	

Figure 629: System Information

At first a summary list of surveys with the following states will display:

- **Ready:** Active surveys, for which no results data have yet been registered.
- **Analyzed:** Active surveys, for which returns have already been registered.
- **Data Entry:** Active surveys, for which returns have been registered, however for which the anonymization of handwritten comments has not yet been carried out. This is only an option when the anonymization in the subunit properties has been activated.

You can now choose (multiple selection) course type, survey period and form. Click on [Apply].

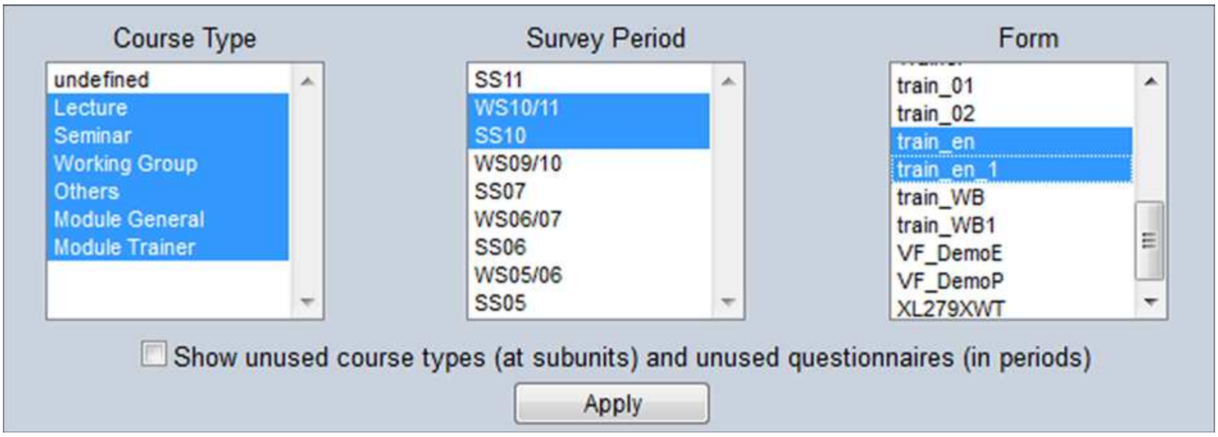

Course Type
undefined
Lecture
Seminar
Working Group
Others
Module General
Module Trainer
Survey Period
SS11
WS10/11
SS10
WS09/10
SS07
WS06/07
SS06
WS05/06
SS05
Form
train_01
train_02
train_en
train_en_1
train_WB
train_WB1
VF_DemoE
VF_DemoP
XL279XWT
☐ Show unused course types (at subunits) and unused questionnaires (in periods)
Apply

Figure 630: Filter for System Information

Then tables display for each of the individual subunits, which show a list of all the surveys and form return numbers for the selected parameters.

1.8. License Administration

1.8.1. Overview on the License Administration

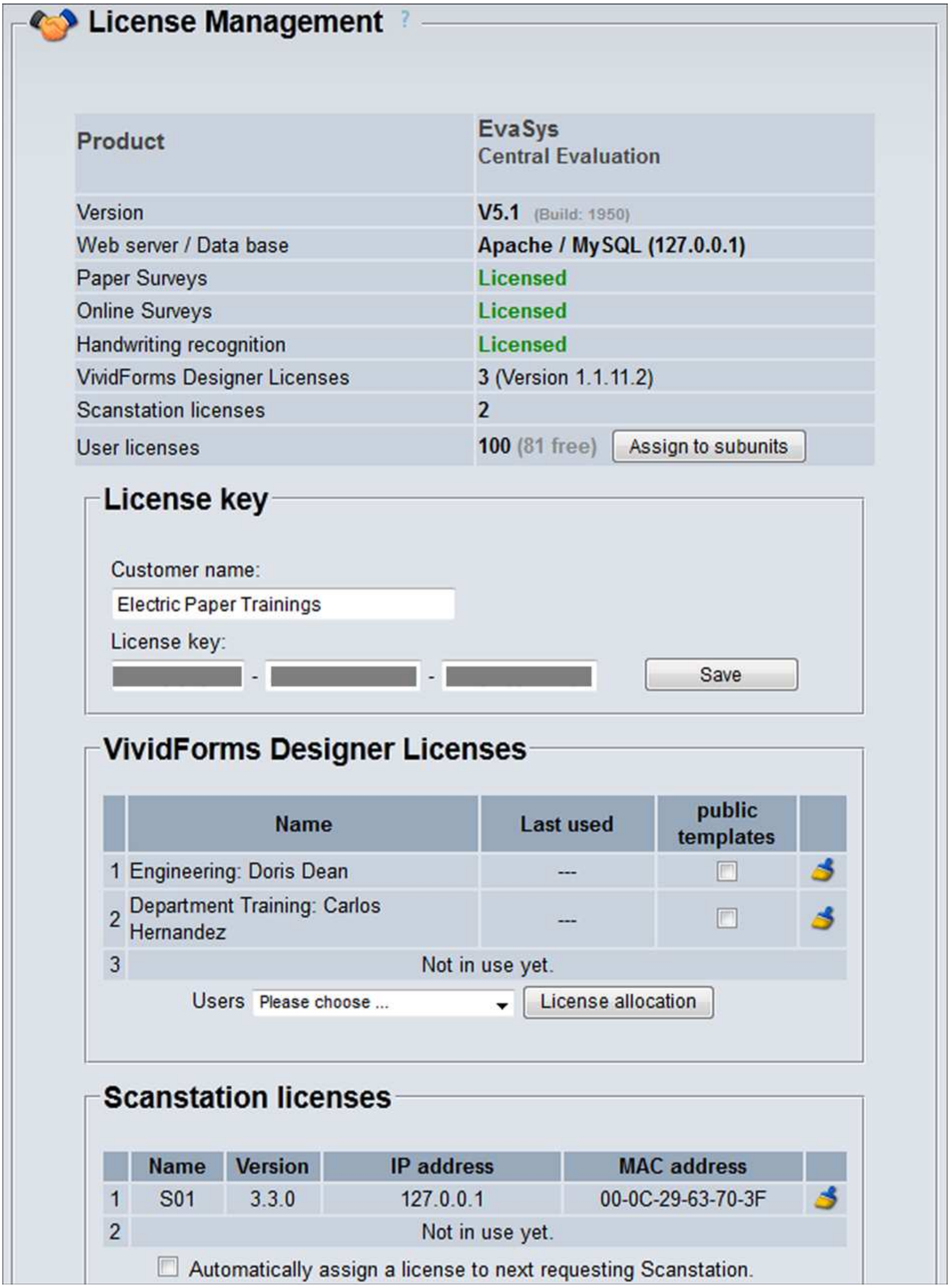
The license administration gives you an overview of the properties of your EvaSys license. Here you can see information about the product version, the database and about the activation of the paper and online surveys. In case you have licensed the handwriting recognition, open questions of VividForms questionnaires can be processed automatically.

In addition you can see the number of available scanstation and user licenses and, if you have the corresponding licenses, the administration of VividForms Designer licenses.

If your system is a multiple server installation, an overview of the registered servers will be displayed stating the network address and the type of server (backend server, online survey server). Should you have professional services extensions such as, for instance, a specially programmed data export, these extensions will be displayed in a separate overview.

In the license management the license key, which has been entered during installation, is saved. In case of a system extension by users or software add-ons or in case of a change of name you will receive a new license key which contains the old as well as the new scope of services. In this case please overwrite the existing license key and/or copy the new one, to avoid typing errors, and click the button [Save].

Should you have entered an invalid key, the old key will not be lost. Only a new valid license key will overwrite an existing key.



Product	EvaSys Central Evaluation
Version	V5.1 (Build: 1950)
Web server / Data base	Apache / MySQL (127.0.0.1)
Paper Surveys	Licensed
Online Surveys	Licensed
Handwriting recognition	Licensed
VividForms Designer Licenses	3 (Version 1.1.11.2)
Scanstation licenses	2
User licenses	100 (81 free)

License key

Customer name:
Electric Paper Trainings

License key:
[redacted] - [redacted] - [redacted]

VividForms Designer Licenses

	Name	Last used	public templates	
1	Engineering: Doris Dean	---	☐	
2	Department Training: Carlos Hernandez	---	☐	
3	Not in use yet.			

Users: Please choose ...

Scanstation licenses

	Name	Version	IP address	MAC address	
1	S01	3.3.0	127.0.0.1	00-0C-29-63-70-3F	
2	Not in use yet.				

☐ Automatically assign a license to next requesting Scanstation.

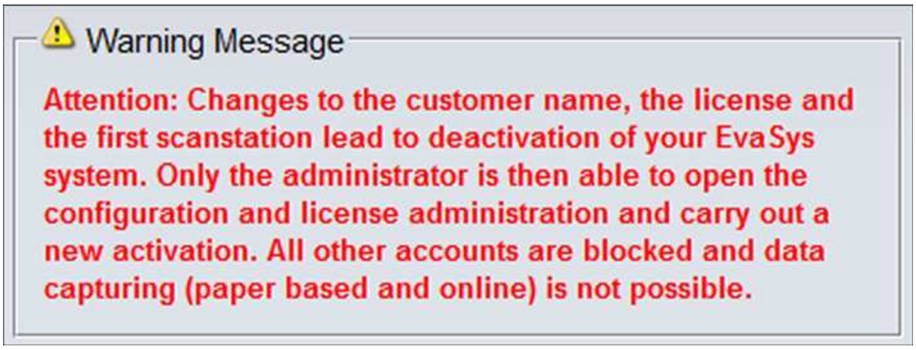
Figure 631: License Management

Please note: The server, on which EvaSys is installed, has to use a dongle (hardware key). It must be plugged in a USB-port of the server where you want to install EvaSys. Otherwise you cannot use the software.

As an alternative, EvaSys can be unlocked by a so-called activation. In this case you can abstain from using a dongle. With the help of specific firm system settings EvaSys can be attached to the server(s) and the scanstation client. Changes to these License Administration settings result in the activation to expire. The following data is relevant for activation and may not be changed:

- License key
- Customer name
- IP Address of the EvaSys Server
- MAC Address of the EvaSys Server
- IP Address of the first Scanstation
- MAC Address of the first Scanstation
- URL of the EvaSys System
- URL for Online Exams
- Email Server
- Name of the Database
- Database Host

Should your system be protected by activation, in the license administration a warning message will be displayed.

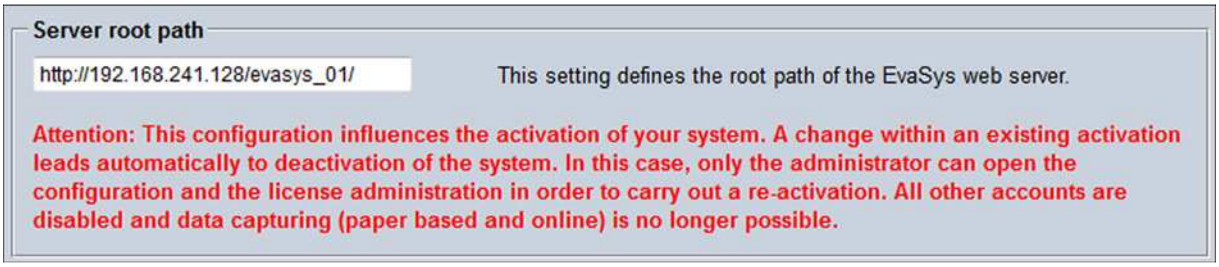


⚠ Warning Message

Attention: Changes to the customer name, the license and the first scanstation lead to deactivation of your EvaSys system. Only the administrator is then able to open the configuration and license administration and carry out a new activation. All other accounts are blocked and data capturing (paper based and online) is not possible.

Figure 632: Activation

Settings which may not be changed in the EvaExam Settings (menu “System Settings/ EvaExam Settings”) are also marked by red warning messages.



Server root path

http://192.168.241.128/evasys_01/

This setting defines the root path of the EvaSys web server.

Attention: This configuration influences the activation of your system. A change within an existing activation leads automatically to deactivation of the system. In this case, only the administrator can open the configuration and the license administration in order to carry out a re-activation. All other accounts are disabled and data capturing (paper based and online) is no longer possible.

Figure 633: Activation: Warning Message in the System Settings

Should you have done changes despite these warnings, the EvaSys system has to be reactivated. To reactivate the system, log in as an EvaSys Administrator and follow the instructions on the screen.

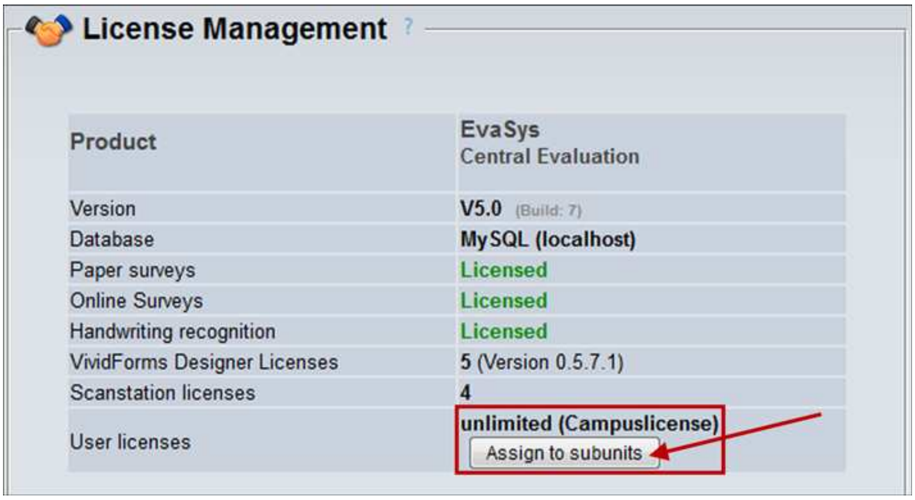
Beneath the section “License Key” you will find the administration of VividForms Designer licenses. It will only be displayed if you have purchased the corresponding licenses. With the help of the drop-down list a license can be assigned to an EvaSys user (e.g. subunit administrator or instructor). Select the desired user from the list and click the button [License allocation]. The user will then be shown in the overview of VividForms Designer licenses. If necessary, a license can be revoked by clicking the icon with the yellow brush.

In the bottom section of the license management a list of all licensed scanstations (depending on the license and activation, one or more scanstations are listed). As an administrator, you can activate the option “Automatically assign a license to next requesting Scanstation.”. By doing so, the next scanstation to log on to the EvaSys server is automatically issued a license. Needless to say, automatic activation can only take place as long as a license is available. Once the scanstation is activated, the option is automatically deactivated. This means that as an administrator, you can control the point in time at which a scanstation can automatically activate itself. As a default, this option is deactivated.

1.8.2. Administration of User Accounts

The number of available user accounts for each subunit can be freely determined by the administrator and as such be limited. This possibility exists for limited as well as unlimited number of users. Each user of the type Instructor/Trainer, Dean/Subunit Manager and each module requires a user license. All other user types do not consume licenses.

Via a new button [Assign to subunits] in the license administration, the administrator can display an overview of the existing subunits and limit the number of user accounts per subunit.



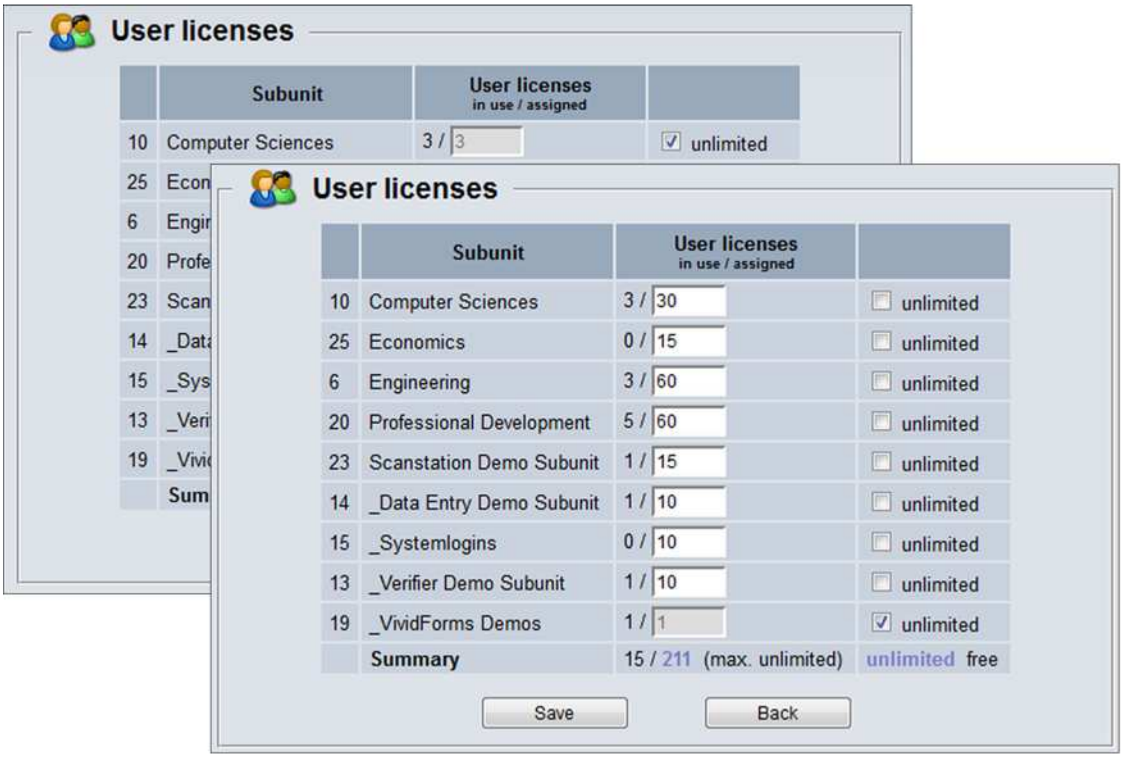
License Management

Product	EvaSys Central Evaluation
Version	V5.0 (Build: 7)
Database	MySQL (localhost)
Paper surveys	Licensed
Online Surveys	Licensed
Handwriting recognition	Licensed
VividForms Designer Licenses	5 (Version 0.5.7.1)
Scanstation licenses	4
User licenses	unlimited (Campuslicense) Assign to subunits

Figure 634: Administrating User Licenses

By default, the number of user licenses for each subunit is not restricted, this means, that any number of users can be created in each subunit, until the quota of user licenses has been exhausted.

To make restrictions per subunit, remove the tick from the checkbox next to the option „unlimited“ for each subunit. In the column user licenses in the input field, you can now specify the maximum number of licenses allowed per subunit. For each subunit you are shown how many user licenses are currently in use. At the end, click on [Save] to apply the settings.



User licenses

	Subunit	User licenses in use / assigned	
10	Computer Sciences	3 / 3	☑ unlimited
25	Econ		
6	Engir		
20	Profe		
23	Scan		
14	_Dat		
15	_Sys		
13	_Veri		
19	_Vivi		
	Sum		

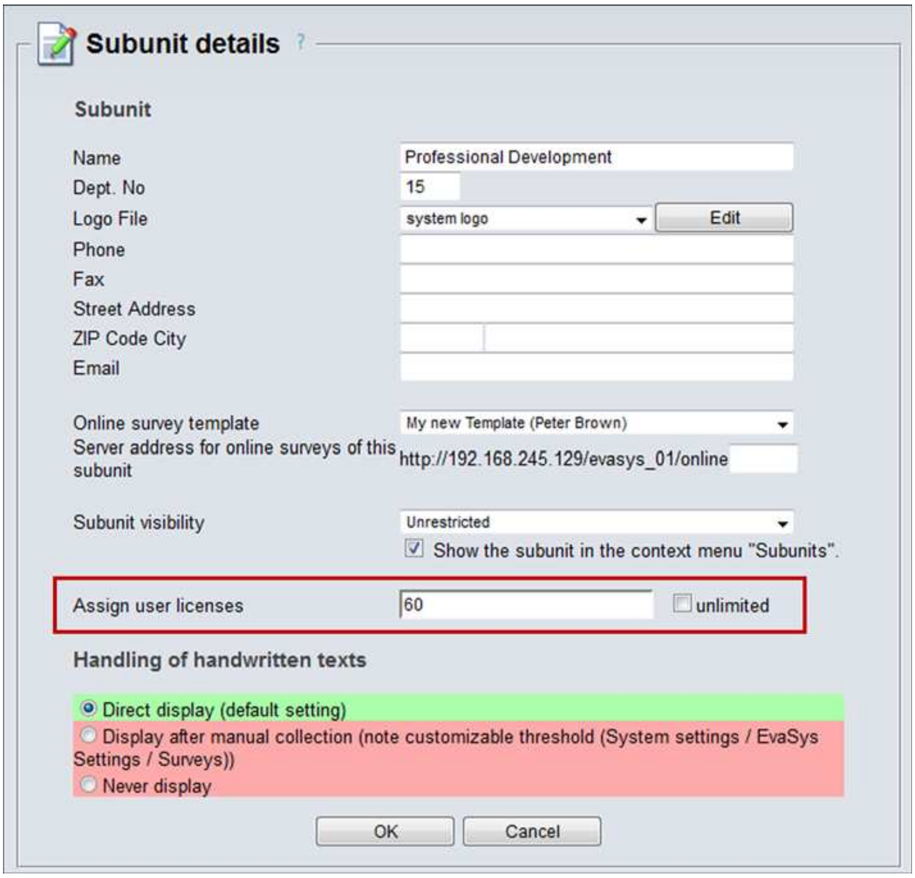
User licenses

	Subunit	User licenses in use / assigned	
10	Computer Sciences	3 / 30	☐ unlimited
25	Economics	0 / 15	☐ unlimited
6	Engineering	3 / 60	☐ unlimited
20	Professional Development	5 / 60	☐ unlimited
23	Scanstation Demo Subunit	1 / 15	☐ unlimited
14	_Data Entry Demo Subunit	1 / 10	☐ unlimited
15	_Systemlogins	0 / 10	☐ unlimited
13	_Verifier Demo Subunit	1 / 10	☐ unlimited
19	_VividForms Demos	1 / 1	☑ unlimited
	Summary	15 / 211 (max. unlimited)	unlimited free

Figure 635: Limiting User Licenses

Note:
If you have connected user accounts to one another using External IDs, the number of licenses in use displayed within each subunit may differ from the number of users created within that subunit. For more information on using External IDs, see chapter B 2.2.2. "Generating and Managing User Accounts", Section “Using External IDs”.

Alternatively, restricting the number of licenses available can be undertaken directly in the details of a subunit. In the area “Assign user licenses”, the administrator can adjust the number of licenses retrospectively or define this directly when creating the subunit.



Subunit details

Subunit

Name	Professional Development
Dept. No	15
Logo File	system logo
Phone	
Fax	
Street Address	
ZIP Code City	
Email	
Online survey template	My new Template (Peter Brown)
Server address for online surveys of this subunit	http://192.168.245.129/evasys_01/online
Subunit visibility	Unrestricted ☑ Show the subunit in the context menu "Subunits".
Assign user licenses	60 ☐ unlimited

Handling of handwritten texts

● Direct display (default setting)
○ Display after manual collection (note customizable threshold (System settings / EvaSys Settings / Surveys))
○ Never display

Figure 636: Restricting User Licenses in the Details of a Subunit

The subunit administrator cannot make any of his own settings here. He can, however, see in the subunit details how many licenses are available to him and how many have already been used.

Once a subunit has reached the established limit of user licenses, no new accounts can be created. The same is true when moving users into subunits whose contingency is already exhausted. When creating a new subunit, a warning is shown if all accounts have already been distributed elsewhere.

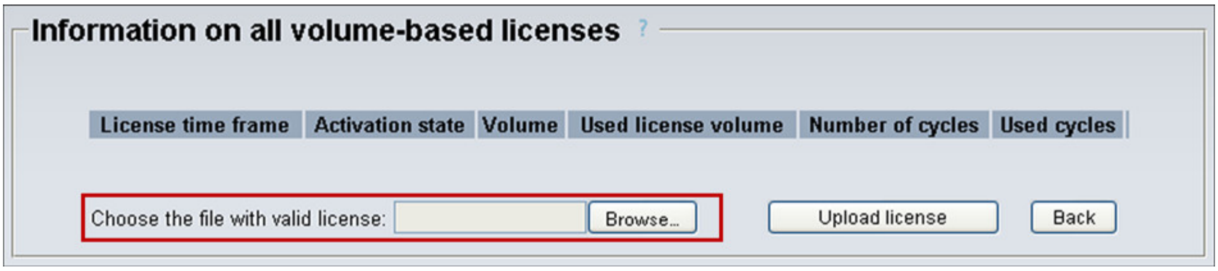
1.8.3. How to Use a Volume License

The license model “Volume license” allows you to create as many users as desired. Instead there is a limitation in the amount of forms you can capture, i.e. in a determined period of time (generally one year) you can only capture a specific number of datasets in paper or online form.

Also in case of a volume license the license key has already been entered during installation and the volume file has been uploaded to the system. In case of a change in your license data you will receive a new license key, which you can add in the menu “System Information/License”. If only the volume changes, you will receive a new volume file, which contains the following information:

- **The volume for each period of time:** This data tells the system how many datasets you can use (i.e. how many paper or online-questionnaires you may read in).
- **Period of validity**, i.e. when does the cycle start resp. end.
- **Number of cycles**: Normally a volume license has an indefinite number of cycles with a duration of one year each. As soon as one cycle has expired, the license is renewed automatically and a new cycle starts. In the case of a so-called “Use-up license” the volume is not renewed when the license period runs out.

If you click on the button [Details] to the right of the line “Volume license” (in the window “License Management“) you can see a new window with detailed information about the volume licenses. To upload a new volume file you first have to delete the old one. Then you can select the volume file, which you have received by Electric Paper and stored on you computer, with the help of the button [Browse].

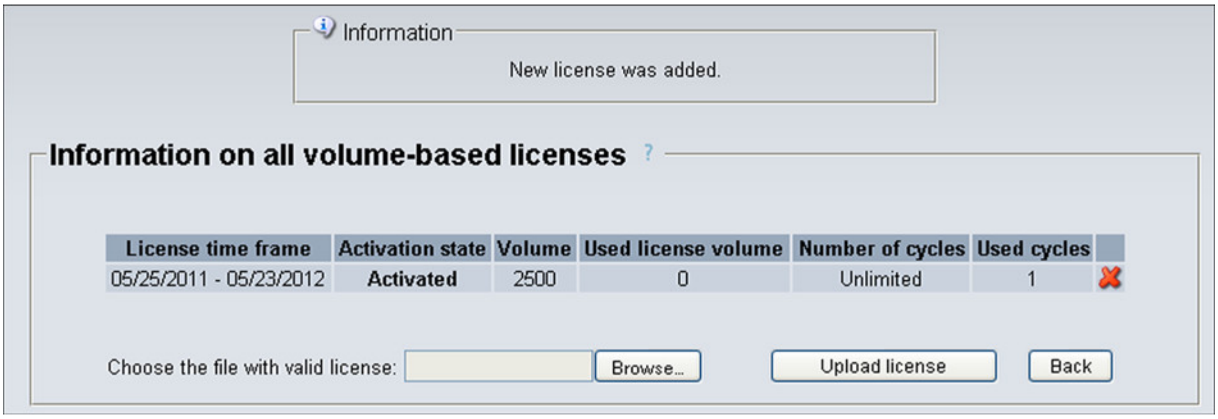


Information on all volume-based licenses

License time frame	Activation state	Volume	Used license volume	Number of cycles	Used cycles

Figure 637: Selecting the Second License Key

A click on the button [Upload license] activates the volume license and displays a message about the successful activation as well as the details of the license:



Information

New license was added.

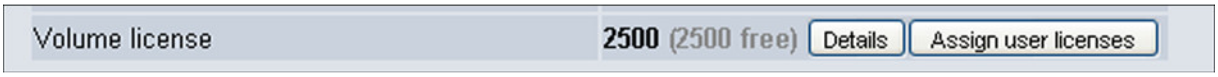
Information on all volume-based licenses

License time frame	Activation state	Volume	Used license volume	Number of cycles	Used cycles	
05/25/2011 - 05/23/2012	Activated	2500	0	Unlimited	1	✗

Choose the file with valid license:

Figure 638: Volume License Added Successfully

When you click on the button [Back] you can see the window [License Management] again. Now the license is activated:



Volume license 2500 (2500 free)

Figure 639: Activated Volume License in the License Administration

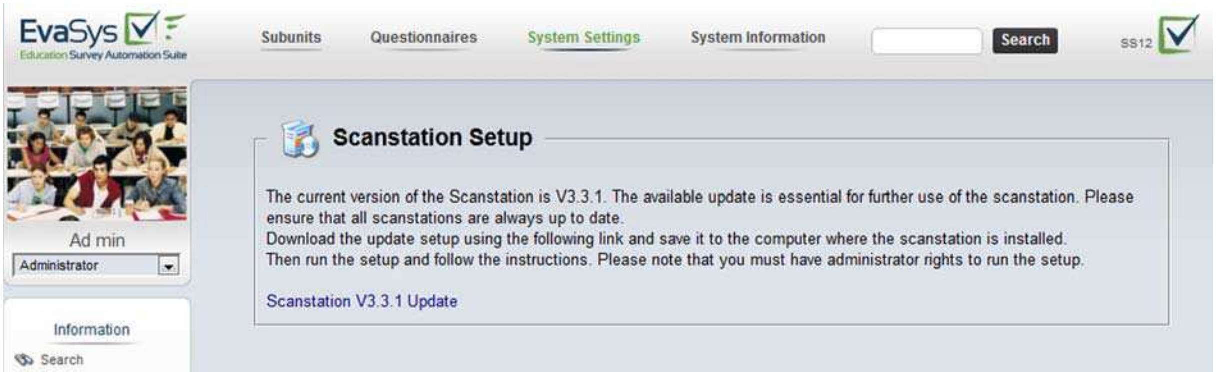
In case of questions or obscurities please ask your system administrator or the support department of Electric Paper.

1.9. Scanstation Setup

When a new version of EvaSys is installed, either an update or an upgrade, as a rule you also have to update the scanstation. Since the scanstation is usually not on the EvaSys server but located on a local client computer, the relevant update must be made here separately.

Once started, the scanstation automatically checks whether there is an update available on the EvaSys server. If this is the case, the update can be downloaded directly in the form of a ZIP file.

In addition, via the EvaSys interface, the administrator has the ability to check whether an update is available or not. Should an update be available it can be downloaded as a ZIP file and installed onto the scanstation computer.



Scanstation Setup

The current version of the Scanstation is V3.3.1. The available update is essential for further use of the scanstation. Please ensure that all scanstations are always up to date.
Download the update setup using the following link and save it to the computer where the scanstation is installed.
Then run the setup and follow the instructions. Please note that you must have administrator rights to run the setup.

Scanstation V3.3.1 Update

Figure 640: Scanstation Setup

Note:
In order to execute the scanstation setup, administrator rights need to be available on the scanstation computer. Therefore, if necessary, please refer to your IT department.

1.10. Performance Considerations

The following paragraphs offer several references with regard to optimizing system performance.

1.10.1. Performance Statistic

In the menu “System Information/System status”, you will find details to the current system utilization. The performance statistic shows the time needed to execute an internal function, which is called-up every minute. Thus, it represents an indicator for the workload of the system at the respective time of measurement. When a series of measurements are located in the red zone for a longer period of time, this indicates a state of overload which can impair system performance for users or participants in online surveys. From these statistics, (subunit) administrators can make decisions regarding optimization of peak access times.

Access peaks can be optimized by the following points. For example, the access time for online surveys can be optimized by starting the surveys on different days. Apart from that, the participants of online surveys can receive information on off-peak times, with the instruction that participation should take place at these times. In addition, (subunit) administrators can move heavy tasks such as verification, creating questionnaires and reports, to off-peak periods.

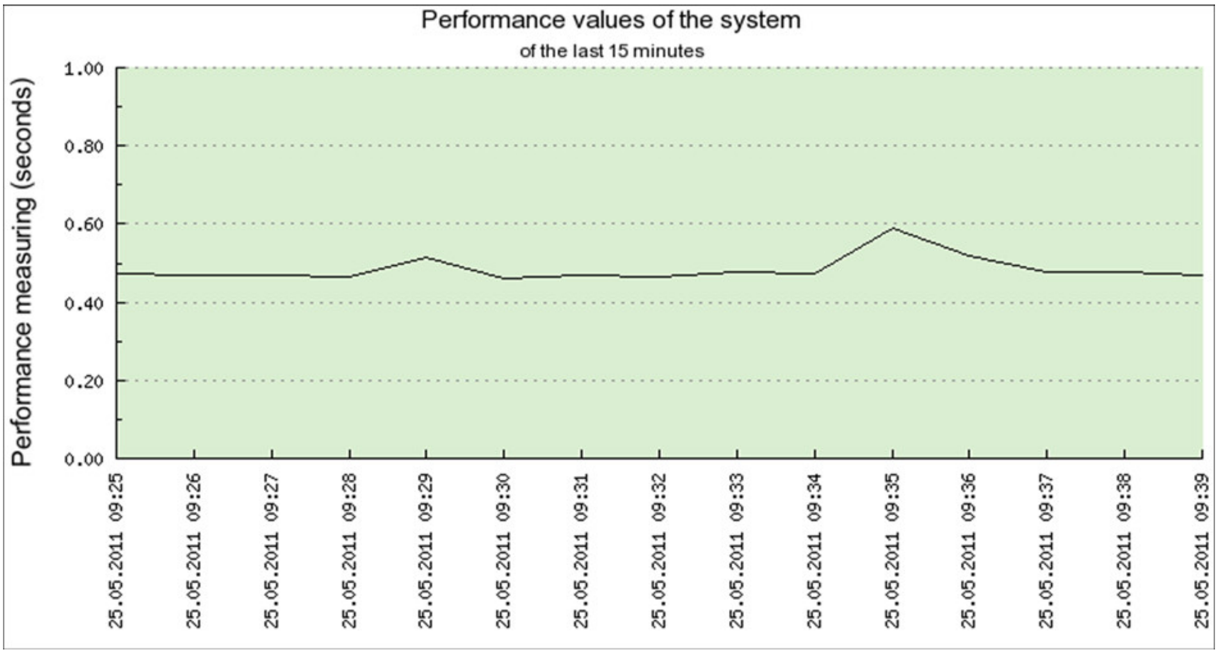


Figure 641: Overview of System Utilization

This option can be activated or deactivated in the configuration under “System Settings/EvaSys Settings/Maintenance/Measuring of performance values”. Also, this is where the limiting values (“Yellow limiting value for performance diagram” and “Red limiting value for performance diagram”) for the performance statistic are stored.

If your system is permanently subject to a high load and the performance is impaired due to this, it is possible to expand the EvaSys System by one or more servers. An additional server for the online surveys can, for instance, relieve the EvaSys server and therefore optimize the performance of the complete system. A load-balancing system with several servers can be used by large organizations with a high work-load. Using a load-balancer, incoming requests can be divided among different servers, hence guaranteeing the best possible answer times.

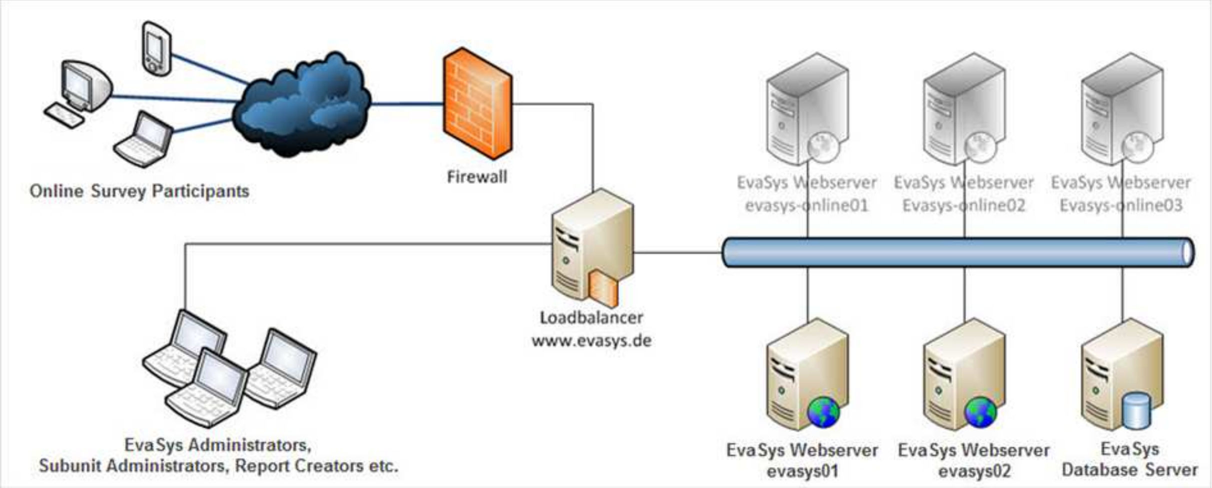
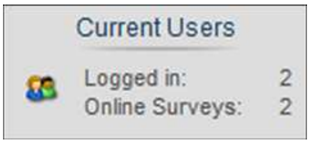

Online Survey Participants
Firewall
EvaSys Webserver
evasys-online01
EvaSys Webserver
Evasys-online02
EvaSys Webserver
Evasys-online03
Loadbalancer
www.evasys.de
EvaSys Administrators,
Subunit Administrators, Report Creators etc.
EvaSys Webserver
evasys01
EvaSys Webserver
evasys02
EvaSys
Database Server

Figure 642: Loadbalancing System

Please contact your customer advisor if you are interested in expanding your system or have any questions about optimizing your system capacity. He/she will gladly advise you.

1.10.2. List of all Active Users Logged In

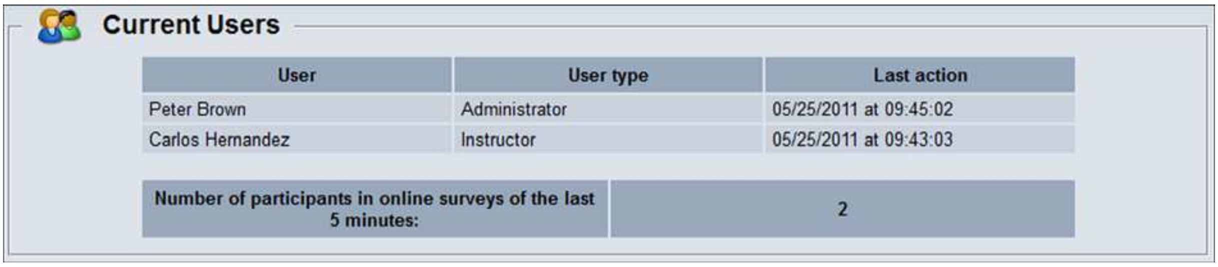
As a (subunit) administrator, you will find a list of all logged in EvaSys users and online survey participants at the bottom left of every EvaSys page. In this way, you can see how many people are currently online and avoid an overload due to a high number of people being logged in at the same time.



Logged in: 2
Online Surveys: 2

Figure 643: List of Active Users

By clicking on “Users logged in” or “Online surveys” you will automatically reach the menu “System Information” in the area “System status”. There you will find a detailed listing of all users currently logged into the system:



User	User type	Last action
Peter Brown	Administrator	05/25/2011 at 09:45:02
Carlos Hernandez	Instructor	05/25/2011 at 09:43:03

Number of participants in online surveys of the last 5 minutes:	2

Figure 644: Detailed Information of all Active Users

You can sort the active users according to name, user type and last action, by clicking on the relevant column head.

1.10.3. More Tips for Avoiding System Overload

Dispatching email: If you send your email invitations to online surveys spread over a few days instead of all at once, the feedback phase is also spread over a wider period. This distribution in the feedback phase leads to continuous system utilization and helps to reduce one-off access peaks. In this way, even at peak access times, system performance is optimally utilized.

Archiving: Your existing PDF reports and CSV raw data can be archived by sending them to the email address defined in the configuration. In this way, legacy data can be exported with a complete audit trail and subsequently deleted from EvaSys, increasing and maintaining clarity and performance of the system Please note, that EvaSys is a productive system and should not be used as an archiving system. (see also chapter B 3.11. "Batch Events ").

System cleaning: Please delete all reports, compilations, subgroup reports, PSWDs, deliveries and log book entries that you do no longer need via the system cleaning (menu “System Information”). Thus the clarity and performance of the system increases (see also chapter D 1.12. "System Cleaning").

1.11. Deletion Log

The deletion log tracks all data deletion events in the system. It is not possible to delete from the deletion log.

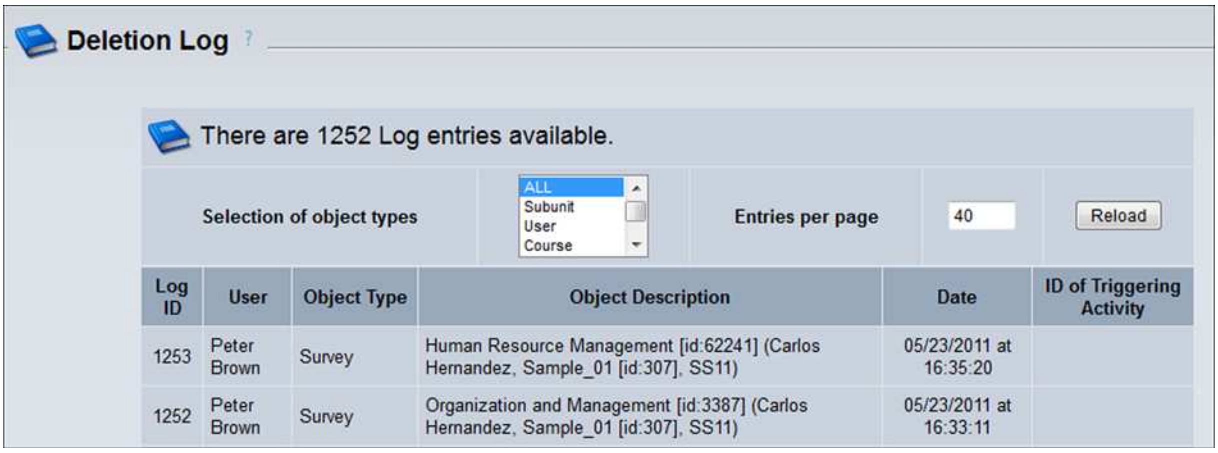
The following deletion processes are logged in this protocol:

- Subunits
- Users
- Courses
- Surveys
- PSWDs
- Questionnaires
- Folders (Active Accounts)

Each deletion log record will contain the following information:

- User: Who has deleted the data?
- Object Type and Description: What was deleted?
- Date: When was the data deleted?
- ID of triggering activity: Which deletion event chain has caused the deletion of this element?

The top section allows the selection of object types to be displayed (multi selection using the CTRL key). It is also possible to define the number of records per page.


Deletion Log
There are 1252 Log entries available.
Selection of object types
ALL
Subunit
User
Course
Entries per page
40
Reload

Log ID	User	Object Type	Object Description	Date	ID of Triggering Activity
1253	Peter Brown	Survey	Human Resource Management [id:62241] (Carlos Hernandez, Sample_01 [id:307], SS11)	05/23/2011 at 16:35:20	
1252	Peter Brown	Survey	Organization and Management [id:3387] (Carlos Hernandez, Sample_01 [id:307], SS11)	05/23/2011 at 16:33:11	

Figure 645: Deletion Log

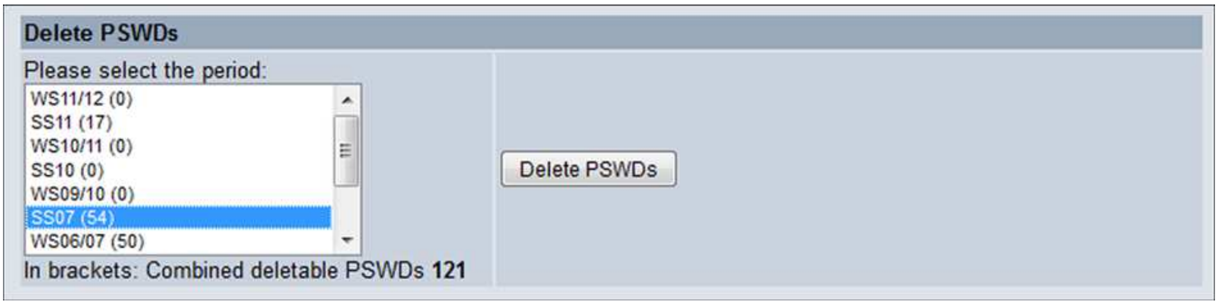
1.12. System Cleaning

You can delete the files that you do no longer need via the system cleaning. For this purpose you have to define a period to erase dispensable data. You can delete the following elements:

1.12.1. PSWDs

When you choose a period and click on the button [Delete PSWDs] you delete all the PSWDs of the chosen period which have not been used by that time.

Please note: You cannot delete PSWDs of open surveys here. The deletion will only concern surveys that have already been closed.



Delete PSWDs

Please select the period:

- WS11/12 (0)
- SS11 (17)
- WS10/11 (0)
- SS10 (0)
- WS09/10 (0)
- SS07 (54)
- WS06/07 (50)

In brackets: Combined deletable PSWDs **121**

Figure 646: System Cleaning

1.12.2. Deliveries

As regards the deletion of PSWDs you can delete all deliveries for a chosen period. (The deliveries can be found in the menu “System Information” on the left hand in the menu.)

1.12.3. Entries in the Log Book

The log book records messages, warnings and failures of the system (for detailed information see below). When choosing a period you can also delete those elements here.

1.12.4. Delete Compilations and Subgroup Reports

You can delete the compilations and subgroup reports of the chosen periods here (i.e. the data the system uses to create the reports of the report creator).

When clicking on the button [Show reports] a new window opens. There you can define the reports you do not want to delete.

You cannot delete the data you have created in your surveys, it is only possible to delete that of the report creator.

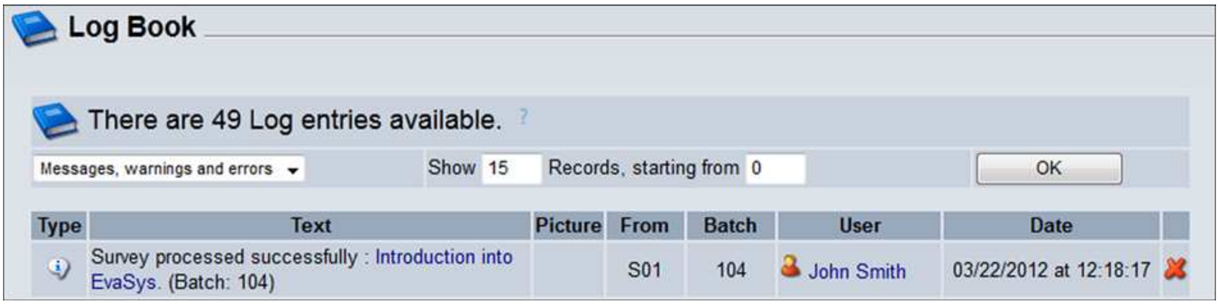
When the report creator compiles some reports, when he creates profile lines etc., the system always duplicates the raw data to obtain the data for the new reports. The PDF reports are based upon this data. Thus no PDF report is available as a file in the system; every report is created on the fly using the raw data or the copies of the data when the user calls up the report.

In a sense the deletion of the data copies also implies the deletion of the report of the report creator. But, in fact, when clicking on the button [Delete reports], you only delete the duplicated data which overloads your system.

1.13. Analysis of Errors

1.13.1. Log Book

The log book reflects all the operations that occur in connection with the automatic capture of paper questionnaires.



Log Book

There are 49 Log entries available.

Messages, warnings and errors | Show 15 Records, starting from 0 | OK

Type	Text	Picture	From	Batch	User	Date	
i	Survey processed successfully : Introduction into EvaSys. (Batch: 104)		S01	104	John Smith	03/22/2012 at 12:18:17	✗

Figure 647: EvaSys Log Book

There are three types of notes: Notifications (indicated with a blue “I”), Errors (red cross) and Warnings (yellow warning triangle). By clicking on the username all messages that relate to that user are displayed. By clicking on the survey name you are directed straight to the survey list.

Error messages

- Error when updating the survey table

  The status of the survey could not be updated

  Check the status of the survey (ready/processed/etc.) as well as possible error messages in the VividForms Reader.

  If the status of the survey is shown as “processed” open the report. If this is empty then reset the survey and scan this questionnaire again.

  If this error reoccurs then your database may be damaged. Contact EvaSys Support.

- Interactive cover sheet: general DB problem

  Access to the database could not be provided

- Interactive cover sheet: invalid form type identified
- Interactive cover sheet: general problem

  An operation number could not be generated

  The survey could not be set up

  Data could not be written in the cover sheet table

- ProcessID invalid!

  VividForms was not able to find an operation number on the first page of the scanned batch. The data could not be assigned to a survey and were discarded. Click on the leaf symbol next to this message in order to display the first page of the batch as a graphic file. Check the image. It may be that a wrong page was scanned as the first page or that the operation number cannot be identified due to dirt or manipulation. Repeat the scan operation and reproduce if necessary the defective cover sheet.

- The procedure with the ID [SURVEY-ID] is not open (any more)!

  The survey for which the data were collected is closed. The data were discarded. Check whether

  - the batch has already been scanned and the new capture was an error;
  - an incomplete scanning operation has already taken place. In this case the survey must be reset (broom symbol);
  - a further batch in the survey was scanned and the automatic closure of the survey operation was unintentional. In this case set the option “close survey after the first scan operation” at “settings/process defaults” to “no”;
  - the settings of the scanner driver may have been changed. Open the scanstation software, click on [Settings] and select “test scan”. Compare the settings of the driver with the EvaSys standards (Duplex, 200 DPI, black/white image);

Warning

- Document ([FORMABBREV]) doesn’t match survey

  Questionnaires in the batch which do not match the form type specified in the survey were identified and processed.

  The cover sheet procedure may have been used and a wrong questionnaire form was used. In this case a new survey with the questionnaire type that was actually used must be created. Scan the batch with the new cover sheet.

  Some questionnaires of the wrong type have gotten into the batch that was scanned.

- [SURVEYNAME] processed: X forms (+ X invalid)

  A batch was processed that contains some invalid questionnaire types. The data of the invalid questionnaire types were discarded while the valid questionnaire types were processed.

Messages

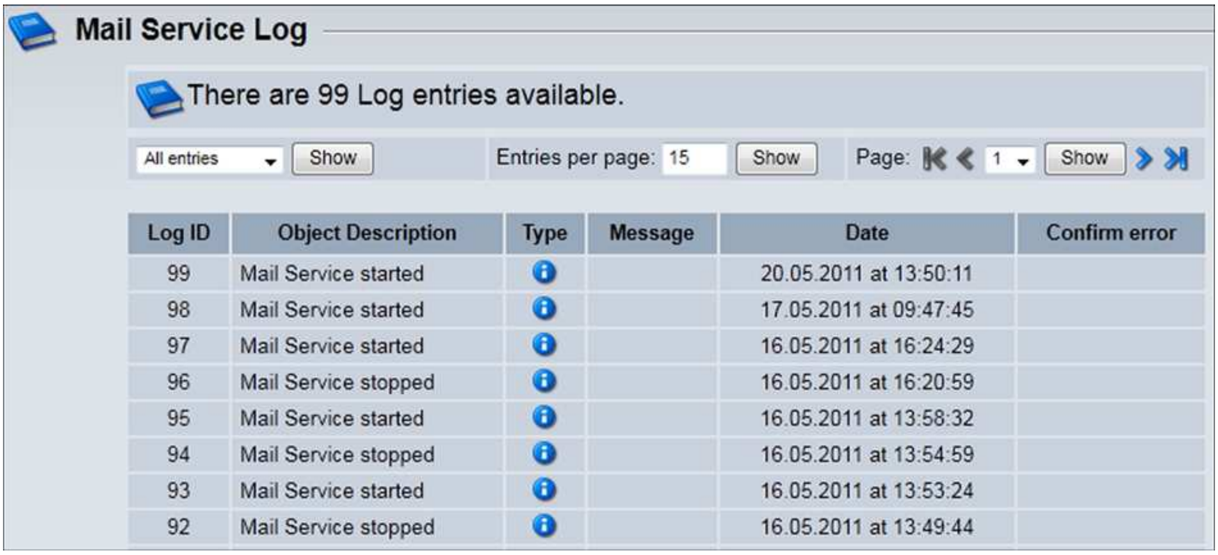
- [SURVEYNAME] ([FORMABBREV]) processed: X forms

  The survey was correctly processed.

1.13.2. Mail Service Log

Emails from scheduled tasks are sent in the background by the service “Mail Service”. This service can provide detailed information in case of problems. All errors are documented in the menu “System Information/Mail Service Log”.

After each administrator's log in, EvaSys checks if any errors have occurred. If new errors have been noted, a message appears in the menu “Subunits” with a reference to the mail service log, where the error message can be confirmed.



There are 99 Log entries available.

Log ID	Object Description	Type	Message	Date	Confirm error
99	Mail Service started	ℹ		20.05.2011 at 13:50:11	
98	Mail Service started	ℹ		17.05.2011 at 09:47:45	
97	Mail Service started	ℹ		16.05.2011 at 16:24:29	
96	Mail Service stopped	ℹ		16.05.2011 at 16:20:59	
95	Mail Service started	ℹ		16.05.2011 at 13:58:32	
94	Mail Service stopped	ℹ		16.05.2011 at 13:54:59	
93	Mail Service started	ℹ		16.05.2011 at 13:53:24	
92	Mail Service stopped	ℹ		16.05.2011 at 13:49:44	

Figure 648: Mail Service Log

If the EvaSys server is temporarily switched off, after the new login a message appears reporting that the mail service does not seem to be functioning. When the mail service notifies EvaSys that it is active again, the message no longer appears upon login.

“Mail Service” requires at least Version 2.0 of the .Net-Framework on the server. Setup checks at installation and reports if preconditions are not fulfilled. In the service administration of Windows, the service appears as “ESCCMailService”.

1.13.3. More Log Files

VividForms Log File

The VividForms Reader protocols all processed questionnaires in this text file. You can find it in the program group in the VividForms Reader. If the debug mode in the VividForms Reader has been activated then the protocol will receive very detailed data about the form processing operation.

2. Configuration Settings

2.1. Text Templates

In the menu “System Settings/Text Templates” the templates for email and letters are stored. Some of these have to activated in the settings first.

With the help of placeholders you can individualize text templates for your recipients (see chapter D 2.1.6. "Placeholders for Text Templates and Questionnaires"). If activated, email can be sent in HTML format and can be formatted with the help of an HTML editor (under “System Settings/EvaSys Settings/E-Mail Functions & Accounts/ Emails in HTML-Format”).

Furthermore you can define attachments for you emails and templates for the PDF letter for the report. These documents have to be uploaded to the system first (see chapter D 2.2. "Documents") .

Note:
Some option settings can also be defined specifically for individual questionnaires. Settings at questionnaire level have priority over general settings.

2.1.1. Viewing Email Texts and Text Templates

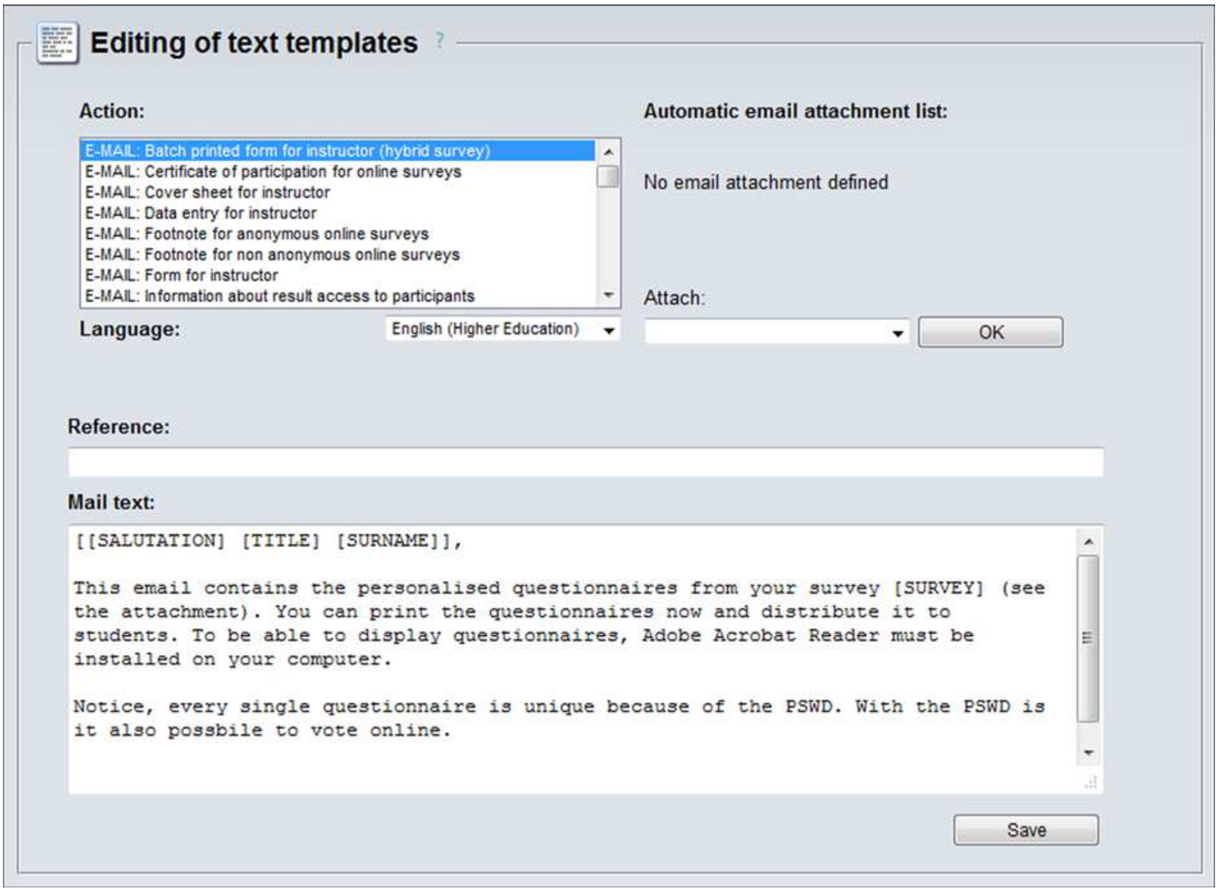
The key elements for these settings are the selected actions and the language. Headings, text and attachment or PDF template can be defined for this combination. The window for processing the text template is made up of five different areas.

Action:

In the action box on the left you can select an email type or a letter text.

Language:

Below the box “Action” you can select the language for the text. The default language is the system language.


Editing of text templates
?
Action:
E-MAIL: Certificate of participation for online surveys
E-MAIL: Cover sheet for instructor
E-MAIL: Data entry for instructor
E-MAIL: Footnote for anonymous online surveys
E-MAIL: Footnote for non anonymous online surveys
E-MAIL: Form for instructor
E-MAIL: Information about result access to participants
Automatic email attachment list:
Attach:
OK
Reference:
Mail text:
Save

Action: E-MAIL: Batch printed form for instructor (hybrid survey)

Language: English (Higher Education)

No email attachment defined

```
[[SALUTATION] [TITLE] [SURNAME]],

This email contains the personalised questionnaires from your survey [SURVEY] (see
the attachment). You can print the questionnaires now and distribute it to
students. To be able to display questionnaires, Adobe Acrobat Reader must be
installed on your computer.

Notice, every single questionnaire is unique because of the PSWD. With the PSWD is
it also possbile to vote online.
```

Figure 649: Editing of Text Templates

PDF template or email attachment:

If you selected in the “Action” box a PDF letter then you will see “PDF Template“, that is you can assign a PDF template for the layout to a given letter. If you selected in the “Action” box an email text then you can add here one or more attachments. Email attachments and PDF templates are saved by clicking on the button [OK].

Reference:

Depending on what was selected in the “Action” box you can define the heading text in the PDF or in the email subject line.

Mail Text:

Depending on the option selected in the “Action” box you can define the text of the PDF letter or the email. Within the text you can make use of placeholders. Changes to the text can be saved by clicking on [save].

2.1.2. Templates for Email Messages

First you will see a description of all message types and then you will find details to the various placeholders available.

E-MAIL: Batch printed form for instructor (hybrid survey)

Via the survey details of a hybrid survey the administrator sends an email with personalized questionnaires for each participant to the instructor of the course. In the attachment the instructor will find a ZIP archive which contains the questionnaires in PDF format. Each questionnaire will show an individual PSWD and the server address.

E-MAIL: Certificate of participation for online surveys

In the details of a questionnaire the dispatch of a certificate of participation by email is activated. The PSWD has been sent to the participant by email. The participant has just taken part in the survey and now receives an email with a confirmation.

E-MAIL: Cover sheet for instructor

This email is dispatched when the (subunit) administrator sends the cover sheet to the instructor as a PDF file via the survey list or the details of a survey or if automatic dispatch of cover sheets is set in the menu “System Settings/Process Defaults”.

E-MAIL: Data entry for instructor

The manual capture of handwritten comments of a survey was concluded. If the option “Data entry assistant: Sending a report to the instructor” is activated in the menu “System Settings/EvaSys Settings/Functions”, the data entry assistant can send the report of the survey to the instructor.

E-MAIL: Dean copy of survey results

If the function “EvaSys Settings/Email Functions & Accounts/Dean's copy evaluation” has been activated, a copy of the PDF report is always sent to the dean of the subunit when a PDF report is sent to the instructor of the course. In addition, or alternatively the raw data can be attached as an Excel-readable CSV file (see “EvaSys Settings/ Email Functions & Accounts”).

E-MAIL: Footnote for anonymous online survey

If PSWDs are sent by email to participants of an anonymous online survey, the email text is automatically complemented with a footnote with hints to the anonymity.

E-MAIL: Footnote for non anonymous online survey

If PSWDs are sent by email to participants of a non-anonymous online survey, the email text is automatically complemented with a footnote referring to the non-anonymous participation.

E-MAIL: Form for instructor

The administrator sends the questionnaire of a hard copy survey to the instructor from the survey list or the details of a survey. This can be automated after generating a survey in “System Settings/Process Defaults”.

E-MAIL: Information about result access to participants

If result access for participants is activated in the details of a questionnaire, an email which allows access to survey results can be sent to the participants after the online survey has been closed, either via the survey list, the survey details or via scheduled tasks. With the help of the placeholders [SERVER] and [PSWD] the participants receive access to the HTML report of the survey.

E-MAIL: Instructor's Optional Questions activated

Instructor's Optional Questions must be activated in the menu “System Settings/EvaSys Settings/Survey”. An email is sent from “Subunits/Instructor's Optional Questions” if the administrator activates the function. The text contains a link the instructor can use to open the optional questions.

E-MAIL: Instructor's Optional Questions deactivated

Instructor's Optional Questions must be activated in the menu “System Settings/EvaSys Settings/Survey”. The administrator has again deactivated the Instructor's Optional Questions for the relevant survey in “Subunits/Instructor's Optional Questions”. An email is sent to the instructor informing about the deactivation.

E-MAIL: Instructor's Optional Questions reminder

Instructor's Optional Questions must be activated in the menu “System Settings/EvaSys Settings/Survey”. An email is sent from “Subunits/Instructor's Optional Questions” if the administrator carries out the reminder to an activated instructor's optional questions process. The text contains a link the instructor can click to open the optional questions.

E-MAIL: Meta data for archive-email

If the option “Archive mailing of PDF reports” is activated in the System Settings under “System Settings/EvaSys Settings/Email Functions & Accounts”, the reports and raw data are sent to the archive address. The email text contains all relevant information on the respective survey.

E-MAIL: Notification at defined evaluation results

This email is sent if in the menu “Subunits/QM Notification” a notification threshold is set for surveys which exceed or fall below a specified quality index.

A definable person is informed about the evaluation result of a survey. The placeholder [SURVEY_QUALITYINDEX] indicates the achieved quality, e.g., 54%, the placeholder [DEFINED_SLA] the defined threshold, e.g., 60%. With the help of the placeholder [EXCEEDED_OR_FALLEN_BELOW] the text “exceeded” or “fallen below” is indicated. The placeholder [LINK_TO_QM_DETAILS] is substituted with a link to the QM Views.

E-MAIL: Notification at low response rate

The email is sent if in the menu “Subunits/QM Notification” a notification is set when a defined quality threshold is exceeded or not reached. A defined person will be informed on the evaluation result of a survey. The placeholder [SURVEY_QUALITYINDEX] shows the attained quality i.e. 54%, the placeholder [DEFINED_SLA] the defined threshold, i.e. 60%. With the help of the placeholder [EXCEEDED_OR_FALLEN_BELOW] the text “Exceeded” or “Fallen below” is displayed. The placeholder [LINK_TO_QM_DETAILS] is replaced with a link to the QM Views.

E-MAIL: Online survey PSWDs for instructor

The administrator sends the PSWDs for an online survey as a PDF file from the survey list or the details of a survey to the instructor. This can be automated via the menu “System Settings/Process Defaults”.

E-MAIL: PSWD and PDF for online survey participants (hybrid survey)

Via the survey details of a hybrid survey the administrator sends the PSWDs for the online survey to the participants by activating the option “Send PSWDSs by email to respondents”. A personalized questionnaire with the PSWD is attached to the email which the participants can fill in alternatively.

E-MAIL: PSWD for online survey participant

In the details of an online survey or via the menu “Scheduled Tasks” PSWDs for the participation in an online survey can be sent to the participants. With the help of the placeholders [PSWD] and [SERVER] or with the placeholder [DIRECT_ONLINE_LINK] the participants get access to the online questionnaire. These place holders may by no means be removed.

E-MAIL: Password for online survey participant

In the details of a single password online survey the password can be sent to the participants. With the help of the placeholders [PSWD] and [SERVER] or with the placeholder [DIRECT_ONLINE_LINK] the participants get access to the online questionnaire. These place holders may by no means be removed.

E-MAIL: Profile Mail for instructor

This message can be used to inform new users directly about their new user account. Activate the checkbox “Inform user about profile creation via email” when creating the account. (see chapter B 2.2.2. "Generating and Managing User Accounts")

E-MAIL: Profile line

This email text is used if the report creator sends profile line reports to instructors or other defined recipients via the batch profile lines.

E-MAIL: Quality Management Report

The email is sent if, in the menu “Subunits/QM Report Dispatch” cyclical reports on the results of quality management is set up and activated. A report on quality management is attached in the form of a PDF file.

E-MAIL: Regulatory information

A message informing the instructor which deans of studies received a summarized form of the results has been activated (self registering procedure).

E-MAIL: Reminder for online survey participants (hybrid survey)

With the help of the reminder function in the survey list or in the details of a survey a reminder-email is sent to the participants of a hybrid survey. The PSWD as well as the server address are transmitted (placeholders [PSWD] and [SERVER]).

E-MAIL: Remind online survey participant

With the help of the reminder function in the survey list, in the details of a survey or the scheduled tasks a reminder email is sent to the participants of an online survey. The PSWD as well as the server address are transmitted (placeholders [PSWD] and [SERVER]).

E-MAIL: Results of a survey

EvaSys has evaluated a survey just scanned and sends a notification or the administrator sends the report of a survey to the instructor. By default, the PDF report is attached to the email. In addition or alternatively the raw data can be added as an Excel-readable CSV file (see. “EvaSys Settings/Email Functions & Accounts”).

E-MAIL: Results of a survey (Summary)

This e-mail is released if PDF reports are sent in a collective email to an instructor via the menu Batch Events (“Subunits/Batch Events/Send PDF reports”).

E-MAIL: Form/PSWD to the instructor (Instructor's Optional Questions)

The instructor's optional questions for a survey has been completed by the instructor. Now he/she (or the group address) receives an email with the required cover sheet and the questionnaire. The function “EvaSys Settings/Survey/Instructor's Optional Questions activation status” must be activated.

LETTER: Form count below minimum

If the minimum number (as defined under “System Settings/EvaSys Settings/Survey/ Minimum number of returns for reporting”) of completed questionnaires was not reached for a survey, the evaluation of the survey is suppressed. Via the process defaults or scheduled tasks a notification is sent to the instructor.

2.1.3. Template for Letter in PDF Reports

The letter text for PDF reports can be defined in the menu “System Settings/Text Templates”. For using a letter, you must have activated the function “System Settings/ Report Settings/Configuration/Generate letter”.

A one-page default letter can be used or you can define an individual PDF template with one or more pages. Information about creating a PDF template can be found in chapter B 4.6.4. "Specific Elements of the PDF Report".

LETTER: Regulatory information

The message informing the instructor which deans of studies received a summarized form of the results has been activated (self registering procedure).

LETTER: Report for the president

The president receives the summary report on the indicators to all evaluated courses of an arrangement from elevation period and questionnaire.

LETTER: Results for instructors

Here the text of the letter to the instructor can be deposited. With help of the placeholders [SALUTATION] [HEADLINES] [SURNAME] an individual address of the instructor is possible.

In the report creator account it is possible to send summary reports with the evaluation results to different authorities via the menu “Additional Reports”. For this, in each case individual letters are used.

LETTER: Summarized results for deans

A report on the indicators of a subunit for all evaluated courses of a specific period and questionnaire is created. The text and subject defined here are used for the standard letter as well as for a individual PDF template.

LETTER: Summarized results for study deans

The dean of studies receives a summary report with the indicators for all evaluated courses. The selection is made by the deans themselves in their login account. The function “EvaSys Settings/Central evaluation/dean of studies” must be activated. A corresponding user account must be set up and used.

LETTER PDF-REPORT: Address field

For standard letters you can define the form of the address as long as no PDF template is used.

2.1.4. Templates for PDF Reports

The contents of the PDF report header can also be adapted with the help of text templates. Simple text as well as placeholders can be used. For formatting it is possible to use HTML tags.

PDF-REPORT: Format of the instructor name

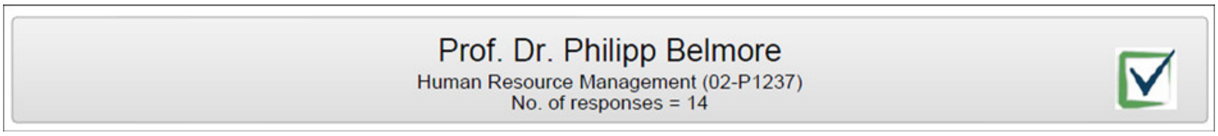
Here the display of the instructor's name can be adapted. This setting has impact on the header of all profile lines as well as on the header of the presentation form.

PDF-REPORT: Header line (right upper corner)

The text is displayed in the top right corner of every side of the PDF report.

PDF-REPORT: Header

In the text field the header contents is defined by HTML formatting and placeholders. The example shown here generates the following PDF report header:

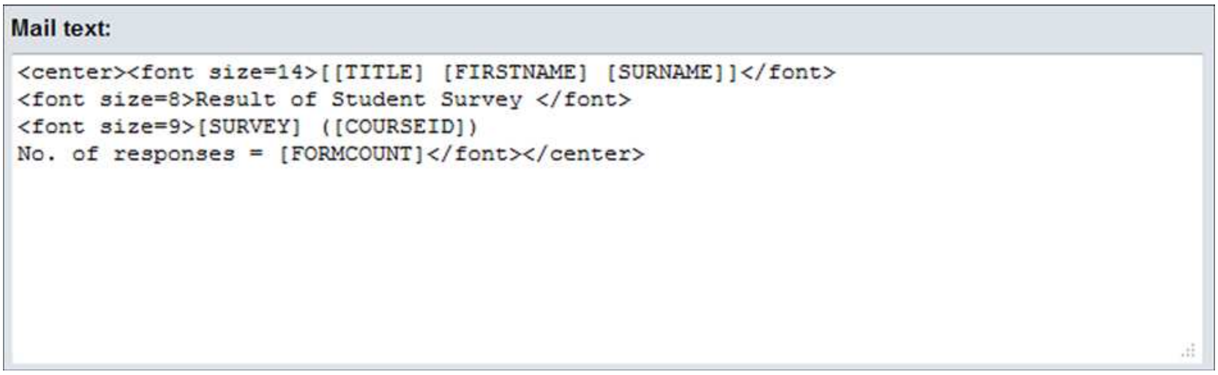


Prof. Dr. Philipp Belmore
Human Resource Management (02-P1237)
No. of responses = 14

Figure 650: Sample PDF Report Header

Example:

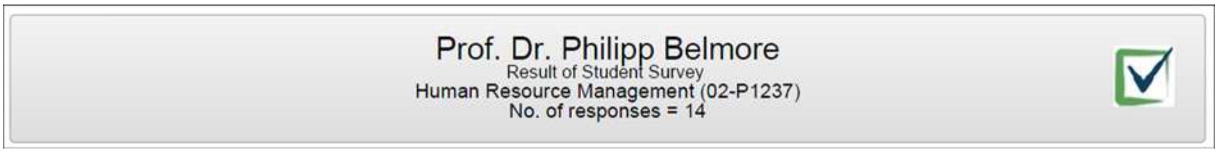
You could, for example, insert a line containing the static text “Result of student survey” (in the example in font size 8):



```
<center><font size=14>[[TITLE] [FIRSTNAME] [SURNAME]]</font>
<font size=8>Result of Student Survey </font>
<font size=9>[SURVEY] ([COURSEID])
No. of responses = [FORMCOUNT]</font></center>
```

Figure 651: Modifying the Text Template by Inserting a Line

After a click on [Save] you will see upon re-opening of the report that the PDF report header has changed as follows:



Prof. Dr. Philipp Belmore
Result of Student Survey
Human Resource Management (02-P1237)
No. of responses = 14

Figure 652: Result after Modifying the Text Template by Inserting a Line

Of course, other placeholders can also be used.

In the following you will find a listing of the available formatting:

Type	Tag	Example	Layout	Please note:
Bold		Bold	**Bold**	
Italic	<i>	<i>Italic</i>	*Italic*	
Underlined	<u>	<u>Underlined</u>	Underlined	
Centered	<center>	<center>Centered</center>	Centered	
Font size	<font size=xx>	<font size=14>Font size 14	Font size 12	Maximum 50, Minimum 1; No single or double quotes

Table 24: List of available formatting

PDF Report: Report Header (Report Creator)

For the PDF report of the report creator his a special report header can be created which is independent of the one of the instructor.

PDF-REPORT: Text for too little response (profile line)

If the option “Show notice for suppressed report” under “System Settings/Report Settings/Configuration” is activated, this text appears instead of the relevant data point in the profile line of the PDF report.

PDF-REPORT: Text for too little response (scaled questions)

If the option “Show notice for suppressed report” under “System Settings/Report Settings/Configuration” is activated, this text appears instead of the graphic for scaled questions.

2.1.5. Other Text Templates

EvaSys: Welcome text for the first login of instructors

This text is displayed as a welcoming text in the instructor's account, when an instructor logs into EvaSys for the first time with his access data.

Norming PDF report: Introduction

This text template defines an additional introduction text for the recommendation document to the norming. It requires the same preconditions as the text template “Norming PDF report: Letter”.

Norming PDF report: Letter

If norming has been set for a questionnaire in the questionnaire details, a link to a recommendation document can be displayed under the normed profile line provided that the option “Show recommendation text” is activated in the configuration of the PDF report.

This text template defines the text of the letter for the recommendation document.

PDF: Certificate of participation for online surveys

If a participation certificate for participation in online surveys is activated in the questionnaire details in form of a PDF document, this text is used for the document.

Note:
The PDF can only be generated when a PDF template has been assigned to this text type.

2.1.6. Placeholders for Text Templates and Questionnaires

The following list shows all permissible place holders for text presentations (email texts, PDF letters) and questionnaires:

Placeholder	Content	Text Template	Questionnaire
[ADDRESS]	User's address	X	
[AUTHOR]	Titel, first and last name of the instructor		X
[CALCULATED_RESPONSE_RATE]	Response rate calculated for the response rate message in the "Scheduled Tasks"	X	
[CORRECTION]	Instruction for correcting checkmarks on the questionnaire		X
[COURSEENROLLMENT]	Number of course participants	X	
[COURSEID]	Course identification	X	X
[COURSENAME]	Course name	X	X
[COURSEROOM]	Course's room/location	X	X
[COURSETYPE]	Course type	X	
[CURRENTDATE]	Current date	X	X
[CUSTOMFIELD_X]	Course's user-defined fields (X=1 bis 5)	X	X
[DEFINED_SLA]	Only valid for QM Notification: Defined Quality index, i.e., 65%	X	
[DIMENSIONS]	Name of the dimensions/question groups	X	
[DIRECT_ONLINE_LINK]	Adds a link to the online survey that contains the server address as well as the PSWD/password. Simply clicking the link shows the online questionnaire.	X	X (only Hybrid)
[DISTRIBUTED_PSWD_COUNT]	Number of PSWDs dispatched	X	

Placeholder	Content	Text Template	Question-naire
[DISTRIBUTED_RESPONSE_RATE]	percental response rate on the basis of the dispatched PSWDs	X	
[ENROLLMENT_RESPONSE_RATE]	percental response on the basis of the study course participants	X	
[EXCEEDED_OR_FALLEN_BELOW]	Only valid for QM Notification: Text “Exceeded” or “Fallen below”	X	
[FIRSTNAME]	First name	X	
[FORMCOUNT_SOURCE_M]	Number of returns online (mobil)	X	
[FORMCOUNT_SOURCE_O]	Number of returns online (PC)	X	
[FORMCOUNT_SOURCE_OM]	Number of returns online (mobile & PC)	X	
[FORMCOUNT_SOURCE_P]	Number of returns paper	X	
[FORMCOUNT]	Number of returns for survey	X	
[GENDER]	Gender (male or female)	X	
[GROUP]	Group of a topic		
[LASTCAPTUREDATE]	Last capture date paper = Scan date, Online = last return)	X	
[LINK_TO_QM_DETAILS]	Only valid for QM notification: Link to the QM views of a specific survey	X	
[MARK]	Instruction how to fill in the questionnaire		X
[ORGANIZATION]	Name of the organization		X
[OVERALL_RESPONSE_RATE]	percental response rate on the basis of the total existing PSWDs	X	
[PARTICIPANT_ADRESS]	Only valid for non-anonymous survey: Address of a participant	X	X
[PARTICIPANT_CUSTOM1]	Only valid for non-anonymous survey: First user-defined field of a participant	X	X
[PARTICIPANT_CUSTOM2]	Only valid for non-anonymous survey: Second user-defined field of a participant	X	X
[PARTICIPANT_CUSTOM3]	Only valid for non-anonymous survey: Third user-defined field of a participant	X	X
[PARTICIPANT_EMAIL]	Only valid for non-anonymous surveys: Email address of a participant (e.g. user_05@example.com)	X	X
[PARTICIPANT_FIRSTNAME]	Only valid for non-anonymous surveys: First name of a participant	X	X

Placeholder	Content	Text Template	Question-naire
[PARTICIPANT_IDENTIFIER]	Only valid for non-anonymous surveys: Participant ID	X	X
[PARTICIPANT_LASTNAME]	Only valid for non-anonymous surveys: Last name of a participant	X	X
[PARTICIPANT_SALUTATION]	Only valid for non-anonymous surveys: Salutation of a participant	X	X
[PARTICIPANT_TITLE]	Only valid for non-anonymous surveys: Title of a participant	X	X
[PERIOD_NAME]	Name of the Survey Period	X	X
[PERIOD]	Name of the Survey Period		X
[PROGRAMOFSTUDY]	Course's program of studies	X	X
[PROJECTNAME]	*Project name*	X	
[PSWD_COUNT]	Number of all PSWDs	X	
[QUESTIONARY]	Name of the questionnaire	X	X
[RESPONSERATE_ WARNING_VALUE]	Number of responses below which a message is sent to the instructor via the "Scheduled Tasks"	X	
[SALUTATION]	Form of Address (e.g. "Dear Mr." or "Dear Ms.")	X	
[SEC_FIRSTNAME_X]	First name of secondary instructor (X must be an integer)	X	X
[SEC_SURNAME_X]	Surname of secondary instructor (X must be an integer)	X	X
[SEC_TITLE_X]	Title of secondary instructor (X must be an integer)	X	X
[SERVER_DIR]	User entry point(e.g. http://eva-sys.demo-university.com)		
[SERVER]	URL for online survey participants(e.g. http://evasys.example.com/evasys/online/)	X	X (Hybrid)
[SUBUNIT]	Name of subunit	X	X
[SURNAME]	Surname	X	
[SURVEY_LIST]	List of all surveys (important when sending the PDF reports collected in one email - batch events)	X	
[SURVEY_QUALITYINDEX]	Overall quality of a survey as stated in the QM-Views (e.g. 77%)	X	
[SURVEY]	Name of survey	X	X
[SURVEYCREATIONDATE]	Date of survey creation	X	

Placeholder	Content	Text Template	Question-naire
[TAN]	A PSWD for online survey participants (e.g. X5FU3)	X	X (Hybrid)
[TASK_SURVEY_CLOSE_DATE]	Date on which the survey is closed by the “Scheduled Tasks”	X	
[TIMESTAMP]	Time of submission of an online survey (e.g. 22:15:34 15.03.2011)	X	
[TITLE]	Title	X	
[TOPICENROLLMENT]	Number of topic participants	X	X
[TOPICID]	Topic identification	X	X
[TOPICNAME]	Topic name	X	X
[TOPICROOM]	Topic‘s room/location	X	X
[TOPICTYPE]	Topic type	X	X
[UNIT_NAME]	Only valid for module evaluation: Name of the module	X	

Table 25: Placeholder for Text Templates and Questionnaires

Hint:

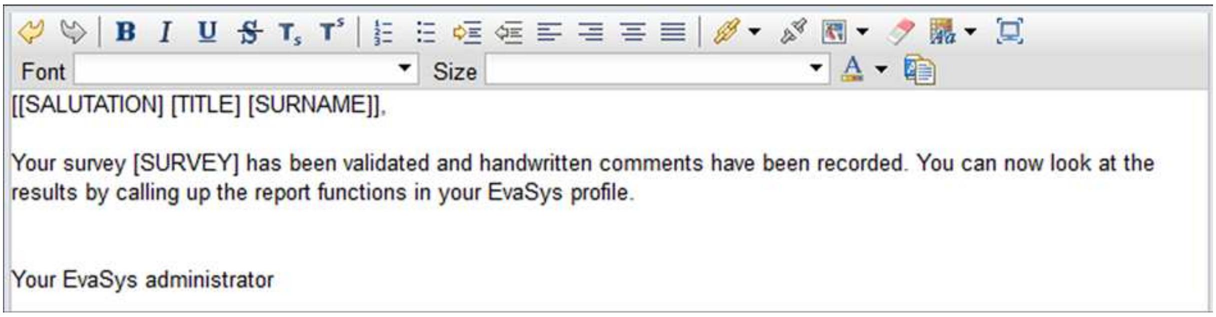
If more than one placeholder is used in a row, they should be enclosed in additional square brackets (i.e. [[SALUTATION] [TITLE] [SURNAME]]).

In this way, it can be avoided that a superfluous space is displayed in case a placeholder cannot be filled.

2.1.7. HTML Format for Email Texts

Emails are sent as pure text messages per default. If desired, they can be sent in HTML format. For this, the option, “Emails in HTML Format” in the “Email Functions & Accounts” section of the system configuration, must be activated.

If this option is activated, at all points in the system in which emails can be created, an HTML editor is activated, which supports formatting, adapting of color and text alignment and inserting elements such as links or images.



[[SALUTATION] [TITLE] [SURNAME]],

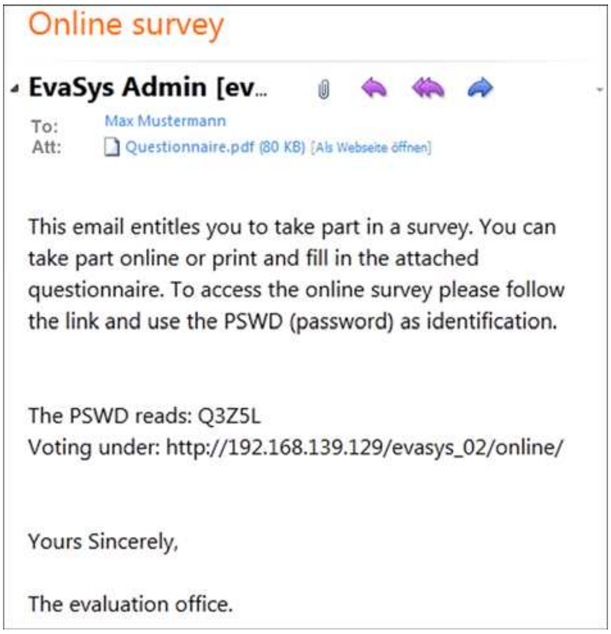
Your survey [SURVEY] has been validated and handwritten comments have been recorded. You can now look at the results by calling up the report functions in your EvaSys profile.

Your EvaSys administrator

Figure 653: HTML-Editor

If this option is deactivated in the system settings, the editor is shown, but is gray and inactive.

In the following example, font, color, and display have been adapted using the HTML editor:



Online survey

EvaSys Admin [ev...

To: Max Mustermann
Att: Questionnaire.pdf (80 KB) [Als Webseite öffnen]

This email entitles you to take part in a survey. You can take part online or print and fill in the attached questionnaire. To access the online survey please follow the link and use the PSWD (password) as identification.

The PSWD reads: Q3Z5L
Voting under: http://192.168.139.129/evasys_02/online/

Yours Sincerely,

The evaluation office.

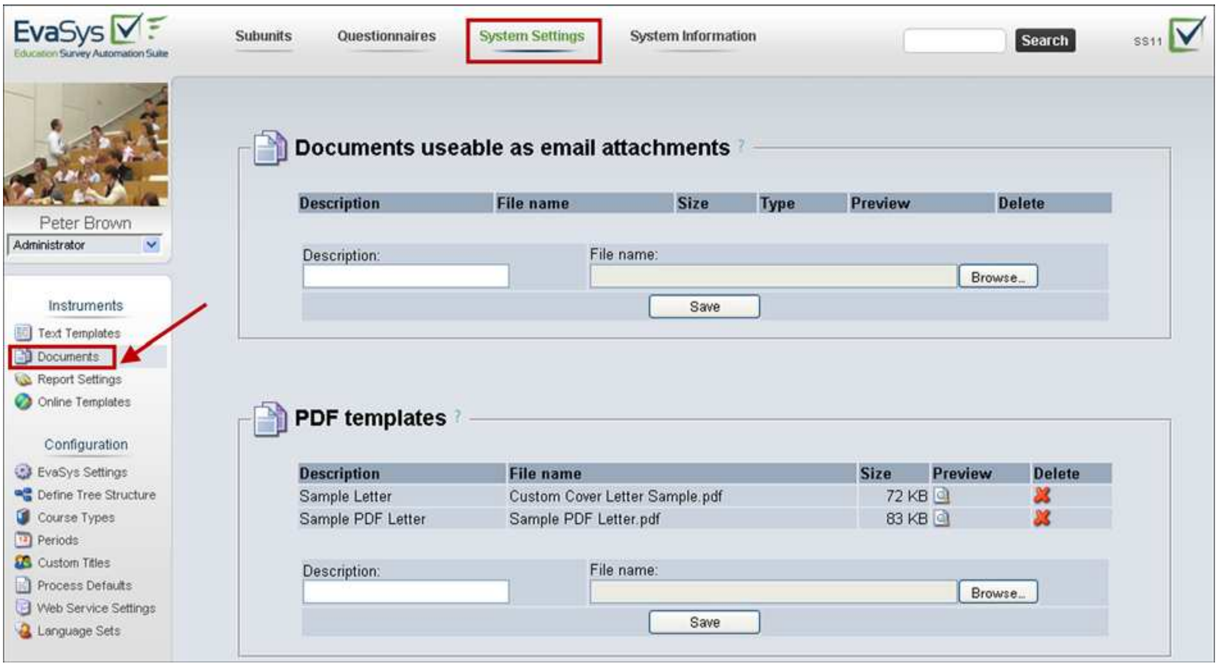
Figure 654: HTML-E-Mail

2.2. Documents

Documents can be saved in EvaSys for a number of purposes. As documents for attachments to emails created in EvaSys or as documents for PDF letters.

The administration of documents and files is done centrally in the menu item “documents“. The following functions are available:

- Uploading files to the EvaSys server
- Displaying documents
- Updating documents
- Deleting documents from the EvaSys server


EvaSys Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
Periods
Custom Titles
Process Defaults
Web Service Settings
Language Sets
Description:
File name:
Browse...
Save
Description:
File name:
Browse...
Save

Documents useable as email attachments

Description	File name	Size	Type	Preview	Delete

PDF templates

Description	File name	Size	Preview	Delete
Sample Letter	Custom Cover Letter Sample.pdf	72 KB	🗎	✖
Sample PDF Letter	Sample PDF Letter.pdf	83 KB	🗎	✖

Figure 655: Document Administration

The secure storage of documents in the EvaSys database means that they will be there when you need them, e.g. email delivery.

Uploading documents

Please enter the following information in order to upload documents:

Description– Description of the document

File name – path to the document on your local system

With a click on [Save] you can upload the document to the server.

In the table you can now see more information about the document (columns 3+4):

Size – Size of the uploaded document in bytes

Type – File type of the document (mime type)

Updating documents

Changes to documents must be first be done locally (on a workplace computer). Then upload the modified document again to the server .

Displaying documents

Display documents by clicking on the icon in the next to last column. You will need to have the appropriate application software (e.g. Microsoft Office for DOC files).

Deleting documents

Delete documents from the system by clicking on the icon in the next to last column. All links to email types or to PDF report types are also deleted.

The size of the document is limited to 1 megabyte. You can change the maximum size in the EvaSys settings (“EvaSys Settings/General/Maximum Size of Document”).

2.2.1. Email Attachments

Every email type in EvaSys (e.g. Send PSWD to respondent” or “Send report to instructor”) can be provided with its own email attachment. For example, an instructor could receive along with his PDF report a document with the evaluation requirements.

Under the heading “Documents for Email Attachments” you can find all related files.

Email attachments can be created in any file type, so please remember that recipients may have trouble opening uncommon file formats.

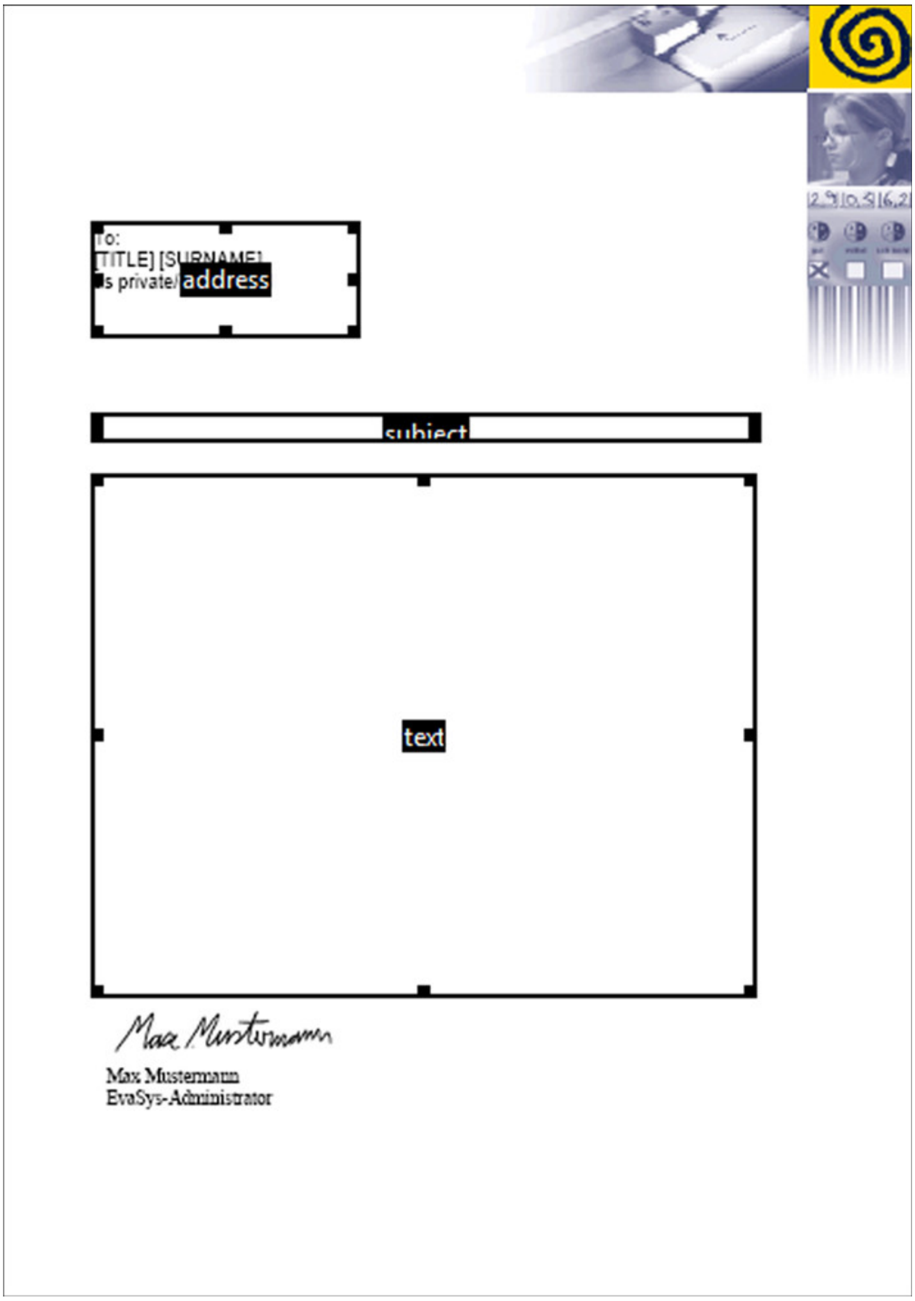
More about assigning documents to specific email types can be found in the section “Text Templates”.

2.2.2. PDF Templates

Customized letter templates (PDF templates) can be entered for the various PDF report types (e.g. “Report to Instructor” or “Summary Report to Dean”).

The template layouts can be designed so that they meet any corporate identity requirements. As the name says, the templates must be in PDF format or converted into this format.

The templates in EvaSys are filled with data from the EvaSys system when the reports are generated. In order to do this certain fields are necessary on the PDF. A full version of Adobe Acrobat (V5.0 and higher) is necessary to create the fields in PDF.



To:
[TITLE] [SURNAME]
s private/ address

subject

text

Max Mustermann
EvaSys-Administrator

Figure 656: PDF Template: Acrobat Professional View

Schematic layout of template:

A letter template is made up of a static part (logo, sender, other text) an a dynamic part, which is filled out by EvaSys depending on the report. For the dynamic part there are three different fields available:

address

This field is filled with data about the instructor (e.g. name, address, etc.). A placeholder determines which data appears. The types of placeholders are described in Section 2.1.3 Template for letter in PDF reports. In Adobe Acrobat placeholders are defined in the text field at [Options/Default Value].

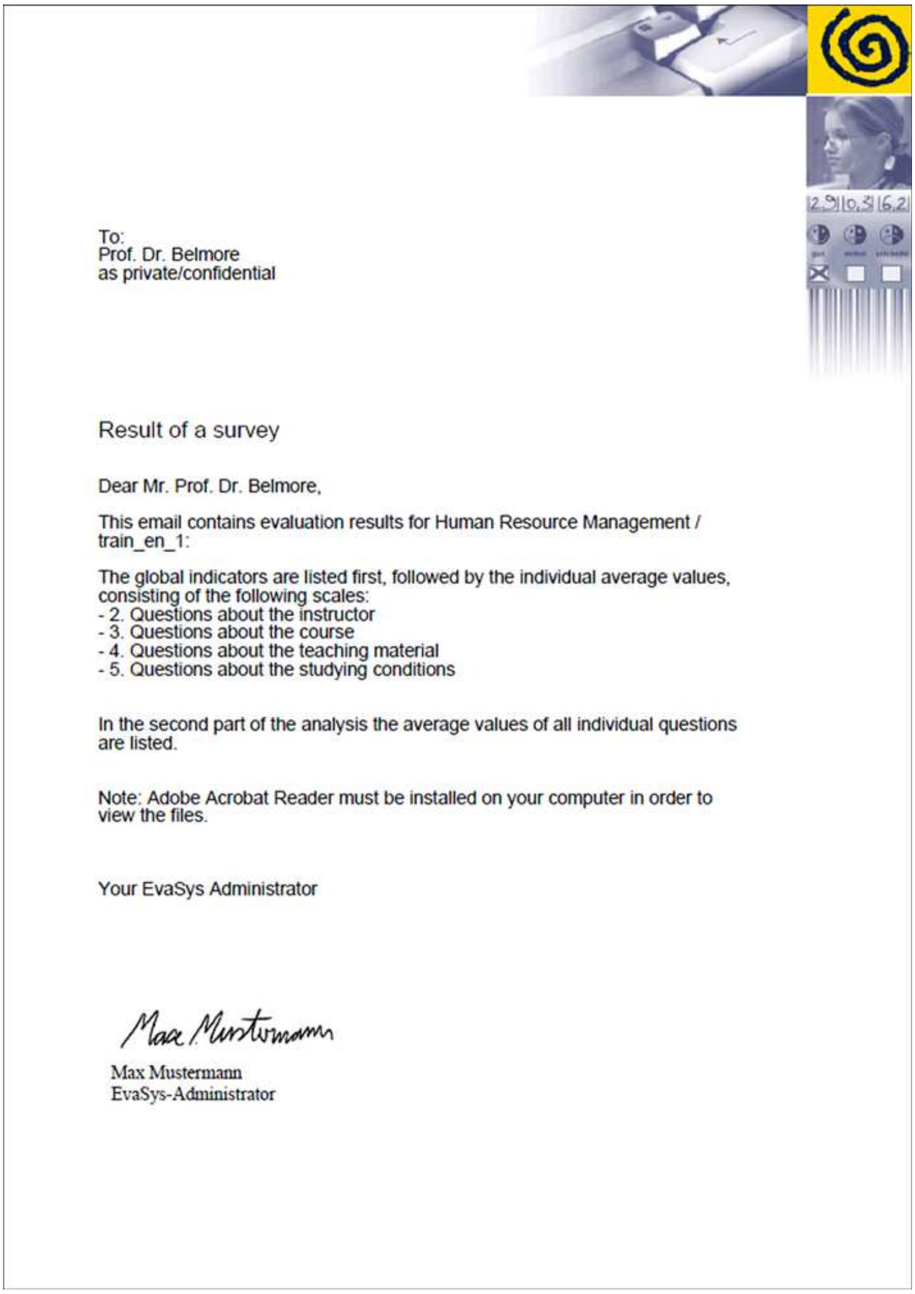
For example:

To:

[GENDER]

[TITLE] [FIRSTNAME] [SURNAME]

confidential



To:
Prof. Dr. Belmore
as private/confidential

Result of a survey

Dear Mr. Prof. Dr. Belmore,

This email contains evaluation results for Human Resource Management / train_en_1:

The global indicators are listed first, followed by the individual average values, consisting of the following scales:
- 2. Questions about the instructor
- 3. Questions about the course
- 4. Questions about the teaching material
- 5. Questions about the studying conditions

In the second part of the analysis the average values of all individual questions are listed.

Note: Adobe Acrobat Reader must be installed on your computer in order to view the files.

Your EvaSys Administrator

Max Mustermann

Max Mustermann
EvaSys-Administrator

Figure 657: Example of PDF Template

subject

This field is filled with a heading or the subject line of the letter. The subject line can be defined in the EvaSys menu item [Text Template] (see Section 6.7).

text

This field contains the personalized text of the letter for the PDF report. The text can be defined in the EvaSys menu item [Text Template] (see Section???).

In Adobe Acrobat the templates must be saved by [Save As] so that the internal PDF structure is clean.

2.3. Process Defaults

In the menu “System Settings”/ “Process Defaults” you can set the defaults for the configuration of user accounts. The configuration of EvaSys user accounts allows you to customize the surveys to your requirements. The following options are available:

2.3.1. General

Automatically send email with cover sheet/questionnaire/PSWDs on survey creation?

This option sends the cover sheet or personalized form for your new survey immediately after creation of the survey to the email addresses given in the profile of the project manager.

Personal utilization statistics visible for other instructors? (This does not include any result data, see utilization statistics)

The information shown in the utilization statistics concerning the utilization of the system (number of scanned questionnaires, number of surveys etc.) can also be seen by other instructors, provided that the administrator permits it. The administrator can see the statistics of utilization in any case.

2.3.2. Scanning

Automatically send a message or the report by email after the survey has been analyzed (paper surveys only).

After scanning forms or after an online survey has been closed an email with the PDF report can be automatically sent. The email is sent to the email address given in the profile of the instructor. If the email may not contain the report or if it, in addition, should contain the CSV raw data, this can be set in the system settings under “System Settings/EvaSys Settings/Email Functions & Accounts” (option “Attach PDF report” or “Attach CSV file”)

Close survey after first scan process? (Closed surveys block further data.)

Surveys can be highlighted as either “ended” or “not yet ended”. This function allows you to collect data in a number of scanning operations in different periods of time (e.g. when returns come in “waves”). If you are sure that you will not need further scanning operations after the first scanning operation then you can answer this question with “yes”.

2.4. Webservice

The configuration area “Web Service Settings” in the main menu “System Settings” allows the administration of external web servers that communicate with the EvaSys server via the web services EvaSys SOAP-API.

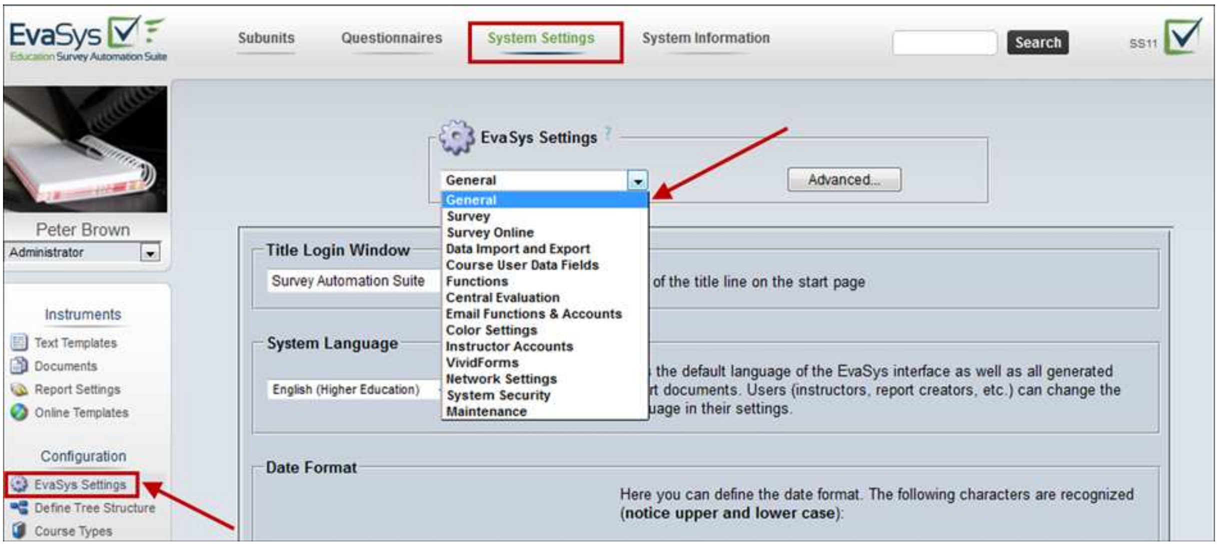
(Please note: You will see the area “Web Service Settings” in the menu only after activating “Activation of EvaSys Web Service (XML based SOAP interface” in the EvaSys Settings, page “Functions”.)

By the so-called web services, web servers can communicate with one another and download the other system's functionalities. This way, it is possible to integrate EvaSys into existing web software systems. Typical applications are, for example, the automated update of the user accounts and survey procedures, the download of evaluation reports or questionnaire supplies.

Connections with EvaSys via web services can be implemented by the manufacturer and/or your vendor.

2.5. EvaSys Settings: Configuration

At the menu “System Settings/EvaSys Settings” in the administrator interface you have access to the configuration of the EvaSys server.


EvaSys
Education Survey Automation Suite
Subunits
Questionnaires
System Settings
System Information
Search
SS11
Peter Brown
Administrator
Instruments
Text Templates
Documents
Report Settings
Online Templates
Configuration
EvaSys Settings
Define Tree Structure
Course Types
EvaSys Settings
Advanced...
General
General
Survey
Survey Online
Data Import and Export
Course User Data Fields
Functions
Central Evaluation
Email Functions & Accounts
Color Settings
Instructor Accounts
VividForms
Network Settings
System Security
Maintenance

Title Login Window: Survey Automation Suite

of the title line on the start page

System Language: English (Higher Education)

the default language of the EvaSys interface as well as all generated
t documents. Users (instructors, report creators, etc.) can change the
uage in their settings.

Date Format

Here you can define the date format. The following characters are recognized (notice upper and lower case):

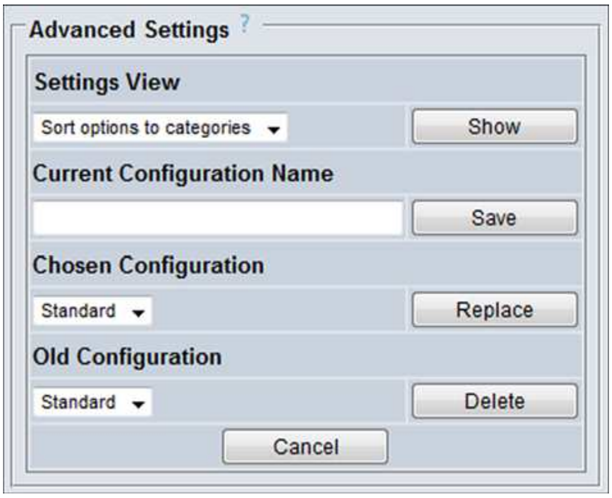
Figure 658: EvaSys Settings

Below the button “EvaSys Settings” you can select a major heading for the EvaSys settings. The following categories:

- General
- Survey
- Survey Online
- Data Import and Export
- Course User Data Fields

- Functions
- Central Evaluation
- Email Functions & Accounts
- Color Settings
- Instructor accounts
- VividForms
- Network Settings
- System Security
- Maintenance

Select an item from this list in order to display its settings. Click in the field “Settings” on “Advanced...” in order to reach the save option.



Advanced Settings

Settings View

Sort options to categories

Current Configuration Name

Chosen Configuration

Standard

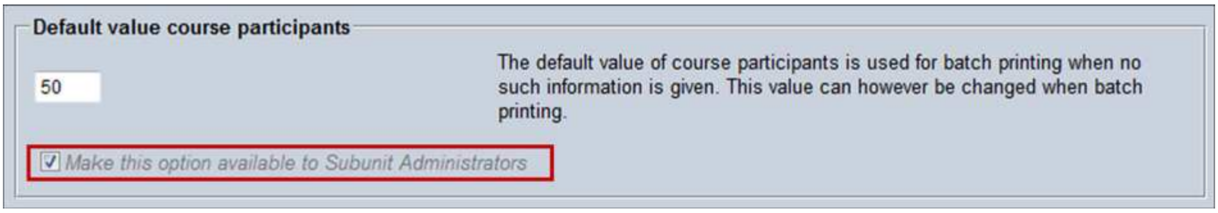
Old Configuration

Standard

Figure 659: Advanced Settings

You can save the current EvaSys setting here under a name. This allows you, if required, to recover an earlier EvaSys setting. You can do this by using the function “replace the present configuration by … “.

And finally you can delete a configuration you have saved at “delete an earlier configuration…”. Many of the available configuration options are characterized and marked by gray text “Make this option subunit available to subunit administrators”, meaning that they can be activated for the use by subunit administrators:



Default value course participants

50

The default value of course participants is used for batch printing when no such information is given. This value can however be changed when batch printing.

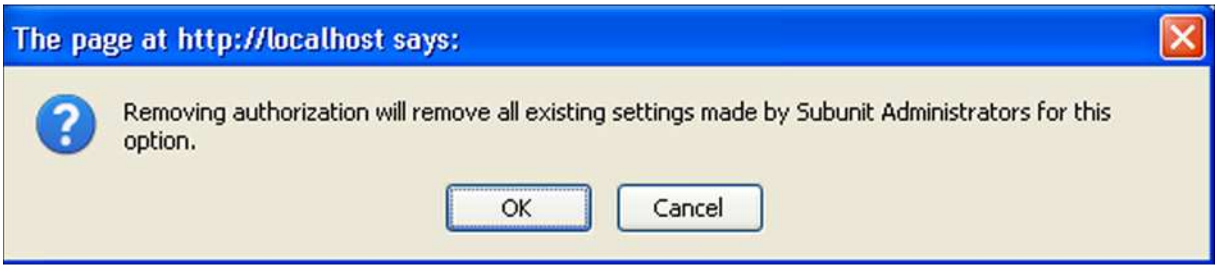
☑ Make this option available to Subunit Administrators

Figure 660: Option Activated for Subunit Administrator

With this function activated, the subunit administrators are able to implement settings which deviate from central settings.

Note:
Changes made by the subunit administrator overwrite the changes made by the administrator in the relevant subunits.

If any particular released configuration options are to be removed from control by subunit administrators, the marking can be removed.



The page at http://localhost says:

Removing authorization will remove all existing settings made by Subunit Administrators for this option.

Figure 661: Warning when Deactivating the Subunit Administrator Release

Note:
Please bear in mind that the settings created by the subunit administrators will be lost.

2.5.1. Section “General”

Title Login Window

Text of the title line on the start page.

System Language

Sets the default language of the EvaSys interface as well as all generated report documents. Users (instructors, report creators, etc...) can change the language in their settings.

Options:

German (Higher Education)
German (Seminar Providers)
English (Higher Education)
English (Seminar Providers)

Date Format

Here you can define the date format. The following characters are recognized (notice upper and lower case):

d - Day of the month, 2 digits with leading zeros
m - Numeric representation of a month, with leading zeros
M - A short textual representation of a month, three letters

Y - A full numeric representation of a year, 4 digits
y - A two digit representation of a year

Time Format

Here you can define the format for time.

h: Hour: 12-hour format, beginning with zero
H: Hour: 24-hour format, beginning with zero
i: Minutes, beginning with zero
s: Seconds beginning with zero
a: Lower case: ante meridian and post Meriden
A: Upper case: ante meridian and post meridian

Decimal Separator

The setting of the decimal separator affects the CSV raw data export and the PDF report. Decimal numbers are represented accordingly. When entering decimal numbers into EvaSys, the use of both separators is generally allowed.

If a comma is used as the decimal separator and as a CSV separator, decimal numbers are automatically displayed in the CSV file with a decimal point as the decimal separator.

Display of menu images

By default, this option is active, which means that menu images are displayed in the upper left corner throughout the entire system. If this option is deactivated, menu images are hidden, throughout the entire system.

Number of images for menu

The number of images that can be displayed alternatively in the screen. Please note that the images must be named and in the subfolder “Bilder” The image name begins with “customer” and ends with a number. The file ending must be “jpg”. The first image is named “customer0.jpg” and the last image “customerxx.jpg” with “xx” being the number given in this setting.

Questionnaire list: Display questionnaire status

The status column in the questionnaire list can be hidden or displayed. With a larger number of questionnaires, it is recommended to hide the status column so as to achieve a faster page loading.

PDF format

Selection of the format for the creation of PDF documents.

DIN A4: 210 x 297 mm
Letter: 216 x 279 mm
Legal: 216 x 356 mm

2.5.2. Section “Survey”

Minimum number of returns for reporting

If the number of returns is under the value “n” there will be no display of the results (no PDF report, no HTML report, no raw data). Instead there will be a note in the letter (the function “generate letter” must be ACTIVATED). The note can be edited at “System Settings/Text Templates”.

Warning threshold in % for PDF report dispatch by email

Defines the threshold (percentage of pages not recognized) for the automatic dispatch of the PDF report. Explicit confirmation is necessary for manual dispatch of the report.

(Default: 70)

Warning threshold (in percent) for recognition problems during the processing of paper forms

If this error occurs, a serious problem was found in the quality of scanned forms. The problem must urgently be analyzed and corrected before scanning the next forms. If the threshold defined here is exceeded for a survey, this survey will be marked red. The PDF report will not be dispatched automatically if this option is activated. Furthermore the EvaSys administrator gets a warning notice via email.

(Default: 0.2)

Instructor’s Optional Questions: activation status

Here you can activate or deactivate the Instructor’s Optional Questions

Instructor’s Optional Questions: modify course data

Permits or prevents instructors from modifying the course data in the Instructor’s Optional Questions.

Instructor’s Optional Questions: question library

Defines whether the instructor can use the question library in the Instructor’s Optional Questions.

(Default: deactivated)

Instructor’s Optional Questions: direct delivery of questionnaire/PSWDs

If this function is activated, then once the instructor’s optional questions is complete the email with the questionnaire and the PSWDs is sent directly to the instructors. If this function is deactivated, then all emails are sent to the group address given in the email category.

Instructor's Optional Questions: email for deactivation contains PSWD list

Deactivating the Instructor's Optional Questions a PDF with the PSWDs can be added.

Instructor's Optional Questions: Status change

If activated, the status of Instructor’s Optional Questions in the survey overview changes to “completed” as soon as the VividForms Editor is opened. If deactivated, the status changes when the save and exit button in the Instructor’s Optional Questions is clicked.

Instructor’s Optional Questions: reasons for not conducting a survey

The reasons for when a survey cannot be held or should not be held can be selected in the Instructor’s Optional Questions.

Instructor’s Optional Questions: Email to the administrator when survey canceled

Send an email to the administrator when the setting in the Instructor’s Optional Questions has been activated that the survey has been cancelled.

Default value course participants

The default value for the course participants is used for batch printing when no information on the number of questionnaires is given. This value can also be changed when batch printing.

Anonymization threshold

The value set defines the limit to the number of questionnaires before the anonymized text of open questions will be shown. If the number of questionnaires is above this value the images of the open questions will be used. Please note that a value of 0 deactivates this functionality, i.e. all of the questionnaires will be shown for anonymization when the anonymization has been activated for this subunit.

Module Evaluation: Display of name of the (secondary) instructor in the heading of the question group

If activated, the names of the (secondary) instructors are displayed on the aggregated questionnaire. In this case in each first question group heading of a partial questionnaire, the name of the relevant instructor is displayed. This setting helps you to relate the questions to the instructors. It only affects new surveys, existing surveys are not concerned.

Module Evaluation: Delivery of module sections with no instructor

If this function is activated, reports from module sections (courses) which are not assigned to an instructor, are sent to all instructors for that module. These module sections are, in this case, viewed as general polls about the module. If this function is deactivated, each instructor for a module section receives only their own report. This option only affects the automatic delivery of reports directly after scanning and the delivery of reports using scheduled tasks.

Email dispatch of questionnaires for the coversheet procedure

If activated with each email dispatch of a coversheet the corresponding questionnaire will be sent, too.

Delete in two steps

If this function is activated then when you delete a survey you will only be deleting the data. The survey operation itself will be recorded in the system as proof. Another deletion will then result in the complete removal of the survey. If this function is deactivated then all survey data will be deleted immediately at the first deletion.

Method of calculating the response rate

Here, the method of calculating return rates can be set. Methods available are calculation based on the generated PSWDs (0), PSWDs sent (1) and the number of participants of the course (2). To show return rates of paper-based surveys, the option “2 = percentage of responses based on the course participants” must be selected.

PDF Report dispatch only on instructor´s signature

If activated, the automatic dispatch of the PDF report is dependent upon the signature of the instructor on the cover sheet of the survey. Only when a signature is present will the PDF report be sent. This requires the use of the cover sheet procedure. In addition, the configuration setting “Conditional email report dispatch” must be set to the value “survey”.

2.5.3. Section “Survey Online”

Highest permitted number of PSWDs per survey (in activ account)

Defines the maximum number of participants in an online survey. This value is theoretically unlimited, but should be limited to an acceptable size for the organization. Default value is 1000.

Default value PSWD number per survey (in activ account)

This number is recommended in instructor accounts as the number of participants for a survey.

Server address for online evaluations

This address is used on the PSWD cards and in the PSWD emails.

Server Address for Direct Online Survey Access

This address is used for links by which an online survey can be opened directly (i.e. without the login screen). This applies, for example, to the use of the placeholder [DIRECT_ONLINE_LINK] or the QR code. The address must end with the main folder and a slash (e.g. http://example.com/evasys/). The remainder of the URL is supplemented dynamically. If QR codes are to be used, the specified URL may not exceed a length of 80 characters.

Instruction text for PSWD cards

Defines the instruction text on the PSWD cards for online surveys.

Default value PSWD per survey (central evaluation)

Online surveys created in central evaluation use as the number of participants the number of students that can be admitted to a particular course. If this number is missing then the value defined in this constant is used.

Format PSWD document

Different formats are available for the PSWD document:

1 = 3x8 PSWDs per page (A4)
2 = 2x7 PSWDs per page (A4)
3 = 3x7 PSWDs per page (A4)
4 = 3x6 PSWDs per page (Letter)
5 = 3x8 PSWDs per page (A4) with QR Code
6 = 3x6 PDWDs per page (Letter) with QR Code

QR Code is a registered trademark of DENSO WAVE INCORPORATED.

Design template for online surveys

File with design templates for online surveys.

Default file is “simple_html_template.inc”. The images and colors of the online survey are defined in the file .

Alternative forwarding for online surveys

This option activates the forwarding of participants to online surveys. After dispatch, the participants are forwarded according to the settings under “System Settings/EvaSys Settings/Survey online/Alternative forwarding address for online surveys“.

Alternative web address for forwarding the participants of online surveys

The participants of online surveys are, after dispatch of the results, forwarded to the Email address given here. The address must be given, complete with protocol (i.e. http://).

Language selection using images

If activated you can select the language for multiple-language online questionnaires by language icons. The icons must be defined for the languages and the files must exist. EvaSys automatically stores the images you have uploaded in the following folder: C:\Apache\htdocs\evasys\data\images\flags (or C:\inetpub\wwwroot\evasys\data\images\flags). As an alternative you can also use predefined flags included in the system. These are stored in the folder C:\Apache\htdocs\evasys\images\flags (or C:\inetpub\wwwroot\evasys\data\images\flags). If this option is deactivated, languages can be selected using a dropdown box.

Participation tracking (online surveys): Protection of anonymity

With participation tracking available as a CSV export, the participation anonymity for online surveys is abrogated whereby the survey anonymity should be preserved. The minimal return value defined here must be attained so that the information on participation or non-participation of a specific survey can be released. Please observe that under certain circumstances a value of 3 or less can compromise survey anonymity.

Allow password based online surveys (Central evaluation)

If this option is activated, a PSWD based survey, for which PSWDs have not yet been sent and for which there are as yet no responses, can retroactively be converted to a password based survey. This option is only valid in central evaluations; therefore, active user accounts are not affected by this setting.

Creating Passwords for Single Password Surveys

Defines the way a password is automatically generated for single password online surveys.

1 = Password in PSWD format (5 digit combination of letters and numbers)
2 = Use course ID as password
3 = Password content is course user data field 1
4 = Password is content of course user data field 2
5 = Password is content of course user data field 3
6 = Password is content of course user data field 4
7 = Password is content of course user data field 5

Please note: A Password must be unique system-wide “unique”. If this is not the case (when, for example, using content from course user data fields), a password will be generated in the PSWD format. PSWD´s may not contain any spaces. These will be automatically replaced with underscores.

Display of filtered questions in online surveys

0 = Filtered questions are deactivated (=displayed grayed out)

1 = Filtered questions are hidden (=invisible; as such, no longer visible for the participant).

Alternative forwarding including authentication

Participants of online surveys can be directed to a different internet site once their survey is submitted. The forwarding occurs based upon the forwarding address which is defined in the details of the corresponding questionnaire. Each questionnaire can be given an individual forwarding address.

The following option determines whether the authentication for forwarding requires a value chosen from the properties of a course.

Use the following field to determine the “secret word”:

0 = no course user data fields (If no “questionnaire specific spare secret password” has been defined in the details of the questionnaire, no “secret password” will be requested for the authentication.)

1 = Course user data field 1
2 = Course user data field 1 + Survey-ID
3 = Course user data field 2
4 = Course user data field 2 + Survey-ID
5 = Course user data field 3
6 = Course user data field 3 + Survey-ID
7 = Course user data field 4
8 = Course user data field 4 + Survey-ID
9 = Course user data field 5
10 = Course user data field 5 + Survey-ID

Please note: If no questionnaire specific forwarding address was defined in the details of the questionnaire, the forwarding occurs based upon the system-wide defined forwarding address - Menu “System Settings/EvaSys Settings/Survey Online/Alternative forwarding for online surveys” - no “secret word” will be used.

Support for mobile devices

If activated, when recognizing a mobile device (Cell phone, Smartphone, Internet Tablet PC or similar), the display of the online survey will be optimized to the screen size of the corresponding device as far as possible.

Display the List of All Current Surveys After Submitting an Online Survey

If activated, once an online survey is submitted, a list of all surveys of the current period is displayed, for which the participant has received a PSWD. The student can participate directly in surveys which are still open and sees the surveys in which he has already taken part.

2.5.4. Section “Data Import and Export”

Permit data export for open questions

When activated, the CSV raw data files also receive the responses collected to open questions.

Placeholder image files

Output text for textbox not yet validated.

Separators CSV import and export

Defines the separators for CSV import and export. Accepted: semicolon, comma, tabulator (/t) and the vertical line (|).

Synchronization URL for the XML import

XML export interface of the external system, with which EvaSys is to be synchronized.

Method password creation faculty import

Rules for setting up new users through CSV/XML import.

0: User name/password put on email address
1: User name/password are generated randomly

Activation status faculty import

Rules for setting up new users through CSV/XML import.

0: Instructor account is deactivated after import (Central Evaluation)
1: Instructor account is activated after import (De-central Evaluation)

SPSS Missing Values

This option defines whether the abstentions in the SPSS export
are defined as “Missing Values”

1 = Abstentions are defined and exported as “Missing Values”
0 = Abstentions are exported as ordinary values

If abstentions are exported as ordinary values, they obtain the value 0. When calculating a mean value of all the results in SPSS, the abstentions contribute to the mean value and thus distort the result.

For that reason you can define the abstentions as “Missing Values” when being exported to SPSS. If you activate this option (setting “1”), then for every questionnaire where you have defined the possibility of abstentions, each abstention is exported as a Missing Value with value o to SPSS. SPSS ignores the “Missing Value” when computing the mean value.

Sphinx path

If the path of the local Sphinx application is defined, a batch file will be generated during the Sphinx export. Running the batch file allows Sphinx to display the report immediately.

Raw data export contains only the ID of non-anonymous participants

If activated, the raw data export contains only the ID (email address) of the participant. This option is only available for non-anonymous surveys where the participants are known with names in the system. If this option is deactivated all available participant data will be exported.

Char encoding for CSV-Export

Defines the char encoding for the CSV export. Use the option Unicode if non-Latin characters are used.

Options:

ISO 8859-1
ISO 8859-2
Unicode

ISO 8859-1 is a norm which defines the display of the western European font.
ISO 8859-2 is a norm defining the east European character set. Through ISO 8859-2 a CSV file with east European characters can be directly and correctly opened in Excel.

Unicode is a comprehensive standard for the presentation of characters through a computer which makes numerous characters presentable worldwide – for example Chinese fonts. The EvaSys server displays its web pages in the unicode font UTF-8.

2.5.5. Section “Course User Data Fields”

Content of the Selection Field for the Course Name

Enter the predefined selection values for the name of the course here. Separate the values by the vertical line (or ´pipe´) “|” (Alt + Ctrl +>). In addition to the values shown here, other (arbitrary) values can be entered in the details of a course, which do not have to be predefined here.

Content of the Selection Field for the Course ID

Enter the predefined selection values for the ID of the course here. Separate the values by the vertical line (or ´pipe´) “|” (Alt + Ctrl +>). In addition to the values shown here, other (arbitrary) values can be entered in the details of a course, which do not have to be predefined here.

Content of the Selection Field for the Program of Study

Enter the predefined selection values for the program of study for the course here. Separate the values by the vertical line (or ´pipe´) “|” (Alt + Ctrl +>). In addition to the values shown here, other (arbitrary) values can be entered in the details of a course, which do not have to be predefined here.

Content of the Selection Field for the Location

Enter the predefined selection values for the location of the course here. Separate the values by the vertical line (or ´pipe´) “|” (Alt + Ctrl +>). In addition to the values shown here, other (arbitrary) values can be entered in the details of a course, which do not have to be predefined here.

Number additional fields

Sets the number of user definable courses. Zero corresponds to “no additional fields“.

Title of 1st, 2nd, 3rd, 4th and 5th additional field

The title of the corresponding additional field.

Content of the1st, 2nd, 3rd, 4th and 5th additional field

Designation of permitted values for the additional fields. The values must be separated by “|” (CTRL+ALT+>).

2.5.6. Section “Functions”

Period display

Displays the current period

Permit Kiviat diagram

Kiviat diagram are visible for faculty

Minimal survey number report creator

Minimum number of surveys with which a report creator can create a subunit report (De-central Evaluation).

Permits immediate deletion of data

This defines whether in active accounts the analyzed survey results can be deleted as soon as the report e-mail is sent (“activated”). The setting “deactivated” hides the option to configure the settings for this function.

Permit certificate of participation

Activates the option to download a certificate of participation.

Permit certificate of results

Activates the option to download a certificate of results document after participation in the evaluation.

Anonymous saving of deleted surveys

Deleted surveys are kept anonymously in a wastebasket so that the report creator can generate an accumulated subunit report.

Hide bar diagram shadow

Hides the bar shadow in PDF reports.

Hide end of document text

Hides text “end of document”.

Hide page number end of document

Hides page number on last page.

Duplex Printing

The PDF document contains empty pages for duplex printing, e.g. after the cover sheet.

Batch printing: form printing when using the cover sheet procedure

When using the cover sheet procedure, the cover sheet and the form will be included in the PDF, either in a given number or as a master copy, depending on whether this button is activated.

Batch events: Naming conventions for PDF reports in ZIP files

If PDF reports are opened in the batch events as individual reports merged in a ZIP file, then the file name for the PDF reports is created using the naming conventions defined here. A variety of place holders, listed in the manual, can be used for the file names (see chapter B 3.11. "Batch Events ").

Delete answers to open questions

Activates/Deactivates the option to delete responses to open questions.

Serial dispatch of the profile lines for active user accounts

If activated, serial dispatch of the profile lines (of the report creator) can also be used for active user accounts.

If this option is deactivated, the report creator can only choose courses of inactivated user accounts when creating profile line emails.

If this option is activated the report creator can additionally see and choose the courses of active user accounts.

Blocking time for pages of forms in the Web Verifier

Time in minutes, for which a page of the form is blocked by a user. During this time no other user can access the form.

Consider the minimum response for unweighted merged reports

If activated, those questions which reached an insufficient number of responses are ignored.

When deactivated every question will be included into the unweighted merged report.

Force settings of the administrator

If activated, after the processing of paper surveys the settings of the administrator are used instead of the responsible subunit administrator.

Automatic verification

The automatic verification allows certain cases of a batch to be verified automatically.

Scan resolution

Resolution in DPI. This setting influences the scaling of images with handwritten answers in PDF reports. The default resolution is 200 DPI.

HTML report: Relative values

The HTML reports show the distribution of the responses to closed questions with relative (activated) or absolute (deactivated) values.

HTML report: Minimum percentage for display (%)

Defines the minimum percentage of response frequency to a question in relation to the total number of returns needed in order to display the respective question in the HTML report. If the value is set to “0”, all questions of the reports will be displayed.

HTML report: Minimum percentage for display (absolute)

Defines the minimum absolute response frequency to a question required in order to display the question in the HTML report.

Please also consider the setting “Show notice for suppressed report”.

HTML report: Separate closed/open questions

When activated the results for open and closed questions in the HTML reports are displayed separately. This results in better readability particularly of those reports created with a mix of open and closed questions.

HTML report: Listing of open questions

Listing and counting of comments in the report.

Create distribution for the report for the dean (of studies)

This function shows the distribution of results from all reports and is only available for reports to the dean, the dean of studies and the president. There is a distribution graph for each active indicator of a questionnaire.

Open tree structure

If this option is activated, the open tree structure, configured parallel to the standard structure, will be activated.

Subunit administrator: View the original recognized forms

If this option is activated, then subunit administrators can view recognized forms as PDF files.

Subunit administrator: View survey results

If this function is deactivated, then subunit administrators have no authorization to view or export survey results.

Data entry assistant/Verifier: View entire original questionnaire page

If this function is activated, the data entry assistant and the verifier can view the entire questionnaire.

Data entry assistant: Sending a report to the instructor

If this function is activated, the data entry assistant can use a button to send a PDF report to the instructor once all survey comments have been processed.

Display external ID

An external ID is a unique name/number which can be transferred from an external system into EvaSys. If this option is activated, then the external ID is shown in the user profile and can be edited there.

Name for external IDs

Defines the name under which external IDs are shown in the user profiles. If nothing is specified here, the default name “external ID” is used.

Categorizing the Answers to Open Questions

If activated, the administrator/subunit administrator can categorize the answers to open questions.

Data Entry Assistant: Categorizing the Answers

If activated, the data entry assistant can categorize the answers to open questions during or after processing.

Note: The configuration setting “Categorizing the Answers to Open Questions” must be activated beforehand.

Subunit Administrator: Notification on Defined Evaluation Results

If this option is activated, subunit administrators can configure the automatic notification of defined evaluation results for their subunit themselves (menu “Subunits/QM Notification”). If this option is deactivated, the administrator settings will apply.

Display Participation Tracking

When deactivated, the menu item “Participation Tracking” in the section “Central Evaluation” is no longer displayed.

Levels of Difficulty for Exam Questions

If this function is activated, levels of difficulty can be set for exam questions. In conjunction with the Question Library a pool of question can be created, from which questions can be selected according to their level of difficulty.

Display of User Names in the Subunit Overview

Defines how the user names appear in the overview of a subunit.

0 = Title First name Last name
1 = Salutation Title First name Last name
2 = Last name, First name, Title
3 = Last name, Title First name

2.5.7. Section “Central Evaluation”

Depending on the system version, some of these settings are preset and cannot be changed.

Creation of summary reports

Permits the creation of summary reports, e.g. for the dean’s report, dean of study’s report as well as the president’s report.

Report president

Report function for the president.

Report dean

Report function for the dean.

Report dean of studies

Report function for the dean of studies.

Program of study reports

Report creator can download reports on programs of study.

Instructor profile reports

Report creator can download reports on instructor profiles.

Dean of Studies

Toggles existence of the Vice-Dean

Quality Management

Activate/deactivate the availability of quality assurance and QM views.

Passive instructor: Login for report request

Passive instructors can log in to EvaSys and request existing reports for their courses.

Active instructors: Access to reports from central evaluation

In the menu of the active instructor account there is a link which allows access to the course reports from the central evaluation.

Module Evaluation

Activates the possibility to evaluate modules.

Visibility of active instructor surveys in the QM views

Here you can choose, whether you want to see the surveys of active instructors in addition to the surveys of the central evaluation in the QM Views. By default this option is deactivated.

Display of course-ID in the list of surveys

Display of the course-ID behind the name of the course. Here you can choose if you want to display the course-ID in the list of the surveys and in the header of the PDF report. If activated, the name of the survey consists not only of the name of the course, but also of the course-ID (following the name in brackets). Additionally the course-ID is displayed in the header of the PDF report (again after the course name).

2.5.8. Section “Email Functions & Accounts”

Attach PDF report

Attach PDF report to the report email.

Attach CSV file

Attach CSV export to the report email.

Limit for file names in email attachments

The amount of maximum characters for the file names in email attachments. The value 0 deactivates the cutting of characters.

Subject: Replace special characters

If activated, in the subject of every email special characters will be replaced to anticipate problems with some email clients.

Delivery method PSWDs (central evaluation)

1: Send PSWDs to online survey participants via the administrator (Survey List)
2: PDF lists of PSWDs for printing and distribution will be sent as batch emails to the instructors (Batch Events)

Conditional email report dispatch

Send email report after scanning depending on the settings of the:

- admin: settings of the administrator at Process Defaults
- dep.admin: settings of the subunit administrator at Process Defaults
- user: configuration of the respective user
- survey: according to the information on the cover sheet

Instructor’s Optional Questions: group address

Group address to which the questionnaires personalized with the Instructor’s Optional Questions are to be sent.

Sender name for all system emails

Sender name that is used for all emails sent by EvaSys.

Sender mail address for all system emails

Sender address that is used for all emails sent by EvaSys.

Email address of the support department

This address will be used when sending emails to the support department.

Dean's copy evaluation

When sending the PDF reports via the “Process Defaults”, deans of the discipline/ subunit receive a copy of the instant report.

Dean's copy open ended questions

The dean’s copy of the instant report contains responses to open ended questions.

Archive mailing of evaluation reports

If activated a copy of each email concerning reports will be send to the configured archive address (compare configuration “Email address of the archive”). This applies to the reports of the central and decentral evaluation as well as to the profile lines sent by the report creator.

Email address of the archive

Defines the recipient address of the email archive function.

Maximum number of attachments

The maximum number of email attachments.

Maximum size of attachments

The maximum size of attachments in MB concerning the mailing of PDF reports.

Emails in HTML Format

If this function is activated, emails are sent in HTML format. You can then use HTML tags in the text templates for formatting and linking.

2.5.9. Section “Color Settings”

Preset color scheme

All colors will be replaced by a preset color scheme.

Background color contents

This setting determines the background color of the content area.

Background color external

This setting determines the background color of the external area.

Table line 1

This setting determines the background color of the first line of each table.

Table line 2

This setting determines the background color of the second line of each table.

Table head

This setting determines the background color of the table heads.

Active Area

This setting determines the background color of the selected menu item.

Processed surveys

This setting determines the background color of the table lines for processed surveys.

New surveys

This setting determines the background color of the table lines for newly created surveys.

Deleted surveys

This setting determines the background color of the table lines for deleted surveys.

2.5.10. Section “Instructor Accounts”

Footnote certificate of participation

Footnote of the certificate of participation document.

Standard text: This is the footnote of the certificate for evaluation

Footer certificate of results

Footer of the certificate of results document.

Standard text: The majority of statements and items in the questionnaire on teaching evaluation are summarized as indicators.

Display question numbers

Question numbers are displayed when processing the optional additional questions.

Activate link to PDF preview

When activated, users can click on a questionnaire name in the list of surveys in order to see a sample of the questionnaire.

2.5.11. Section “VividForms”

Recognition Set Folder

Recognition set folder for VividForms Forms.

Image directory for open questions

Path to a directory in which the VividForms Reader will store the images of an open question.

Default form editor access for users

You can set the following access modes:

0 = Unrestricted access
1 = Only templates
2 = No access

Cover sheet text

Instruction text on the cover sheet.

Default Font size

Default font size for VividForms questionnaires.

Allow editing of HTML code in the VividForms Editor

If activated users are allowed to edit HTML code in the VividForms Editor.

Maximum amount of pages that can be printed through batch printing of forms

Maximum amount of pages in one batch printing charge (the maximum number is 30.000 pages)

Display of recognized form data

If activated, the checkboxes, whose values were transmitted to EvaSys, will be marked green in the PDF overview of the processed forms (accessible in the details of a survey).

Standard view VividForms Editor

This option defines the standard view of a questionnaire in the VividForms Editor. The user can switch between the paper and online view at any time if the license allows.

2.5.12. Section “Network Settings”

Display value support link

Display text of the web link shown in the interface (default: EvaSys website).

HTTP link on support page

Target address of the web link shown in the interface (default: http://www.evasys.de/support)

HTTP redicrection address

Redirection address for rejected access attempts.

IP address mail server

IP address or domain name of the mail server EvaSys should use for messaging functions.

If you want to use a secure mailservice, you have to add the string ssl:// to the IP-address (ssl://<IP-address>). Additionally the port of the mail server has to be changed to the 465.

You cannot use the TSL-protocol here.

Port mail server

Port of the target mail server (Default: 25).

HELO to mail server

Greeting for the mail server, in this case the name of the mail server to be addressed. Ignored, impolitely, by most mail servers.

Authentication

Activates the authentication on the mail server. In most cases not necessary.

User name

User name with which EvaSys should log in to the mail server (if authentication needed).

Password

Password with which EvaSys should log in to the mail server (if authentication is needed).

Server root path

This setting defines the root path of the EvaSys web server.

LDAP

LDAP deactivated/can be defined individually for each user in the user settings/activated for all users. If this option is activated, the user name and password are compared at the login with LDAP.

LDAP Registration also for the Administrator

Deactivated/activated. If activated, a login for the administrator is also conducted on the LDAP system. Please make sure that the login name of the Administrator is a valid LDAP login, otherwise a lock out from the System can occur. This setting does not apply to secondary administrators.

LDAP host

Address of the LDAP server.

LDAP secure connection

Deactivated/activated. When activated, the LDAP connections are encrypted. The LDAP server must support encryption.

LDAP BASE DN

Defines the base DN for LDAP or Active Directory.

LDAP search filter

Search filter for searching for users. The standard value for the filter is “(|(uid=[USER])(sAMAccountName=[USER]))”. The placeholder [USER] is replaced with the username entered.

LDAP login

If it's not allowed to search anonymous in the LDAP or Active Directory server you have to enter the login of the search account here.

LDAP password

If it's not allowed to search anonymously in the LDAP or Active Directory server you have to enter the password of the search account here.

Maximum document size

Maximum size (in bytes) of an attachment or PDF template document. Please note that changing this value requires resetting the database configuration max_allowed_packet.

Storing the IP address in the session

If enabled, the IP address of an EvaSys user is saved in the session at each login. With each subsequent action initiated by the user in EvaSys, the stored IP address is compared with the transmitted new one. If they do not match, the session is terminated and the login screen appears. The security check prevents a valid session ID being guessed and hinders the associated access to EvaSys by third parties. However, guessing a valid and usable session ID, even with the function deactivated, is quite unlikely.

If users with the same IP address are accessing EvaSys (network-related), and the storage of the IP address is activated, only a limited check can be undertaken.

If EvaSys is accessed from a network communicating with changing IP addresses, the storing of the IP address must be switched off. Otherwise, the login screen with the error message will appear continuously whilst working with EvaSys, because EvaSys cannot determine whether the session is still with the same user, but the IP address has changed or an unauthorized user is attempting to continue working in the session.

2.5.13. Section “System Security”

Use CAPTCHAs

This function protects EvaSys against automated attacks. CAPTCHAs are pictures where characters (numbers or letters) are displayed in a way only recognisable by humans. They are used to distinguish betweeen humans and machines. If CAPTCHAs are activated the user will be prompted to type in a CAPTCHA after several failed logins.

Number of failed logins before a CAPTCHA will be shown

Number of failed logins a user can have befora a CAPTCHA will be shown to be typed in.

Observed period of time and blocking time

If a user has several failed logins during the period of time defined here he/she will be prompted to type in a CAPTCHA. At the same time the login screen will be blocked for the network address of the potential attacker for the period (in minutes) defined here. The blocking can be unlocked ahead of time by typing in the CAPTCHA correctly.

Restricted access

Activates/deactivates the restriction of access. When activated the EvaSys server checks the IP address of each inquiring computer for the following IP address domains.

Begin IP address domain participant online survey

First permitted IP address for participants in an online survey.

End IP address domain participant online survey

Last permitted IP address for participants in an online survey.

Begin IP address domain user

First permitted IP address for users.

End IP address domain user

Last permitted IP address for users.

Begin IP address domain for administrator

First permitted IP address for the administrator.

End IP address domain for administrator

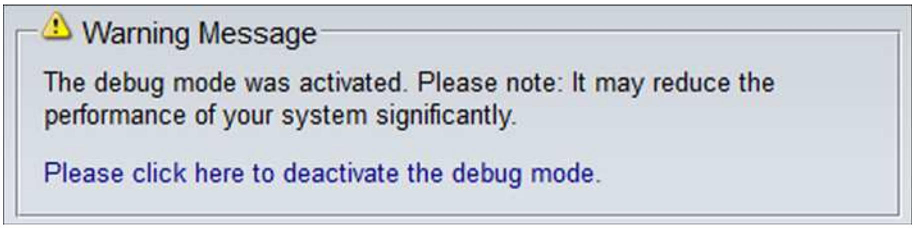
Last permitted IP address for the administrator.

2.5.14. Section “Maintenance”

Debug mode

Activate/deactivate debug. This setting allows you to find defective data and other problems. If necessary you will be asked by support to activate this.

Because an activated debug mode can slow your system down, the administrator, after login, is informed of all possible scenario regarding this.



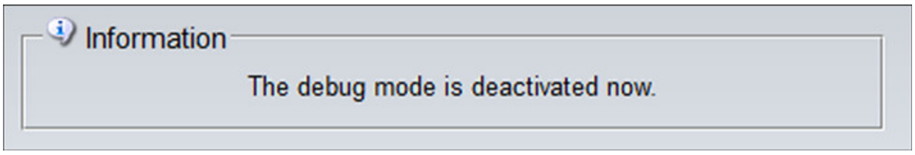
Warning Message

The debug mode was activated. Please note: It may reduce the performance of your system significantly.

Please click here to deactivate the debug mode.

Figure 662: Warning Message Debug Mode

If you click on lease click here to deactivate the debug mode], the debug mode in the configuration is automatically deactivated. EvaSys informs you of the deactivation of the debug mode



Information

The debug mode is deactivated now.

Figure 663: Debug mode Deactivated Successfully

Changing the survey ID

If activated this option allows changing the survey ID. You can then change the survey ID in the details of a survey as long as the survey does not have any results (questionnaire returns). This option is available only for the hard copy procedure and for cover-sheet surveys.

Logging of system sessions

The logging of system sessions provides an overview of the users and participants of online surveys currently logged into the system. This function gives an insight into the current level of utilization of the system.

Display information of system sessions in the menu

Display of the information concerning active system sessions in the menu of the (Subunit) Administrator. This setting is only relevant when logging of system sessions is activated.

Measuring of performance values

As a means of measuring performance values a graphic illustration of the system workload of the EvaSys server can be displayed at different times. The diagram can also be adjusted for different periods.

Yellow limiting value for performance diagram

Defines the lower limiting value in seconds for the yellow zone of the performance diagram. The area beneath is displayed in green.

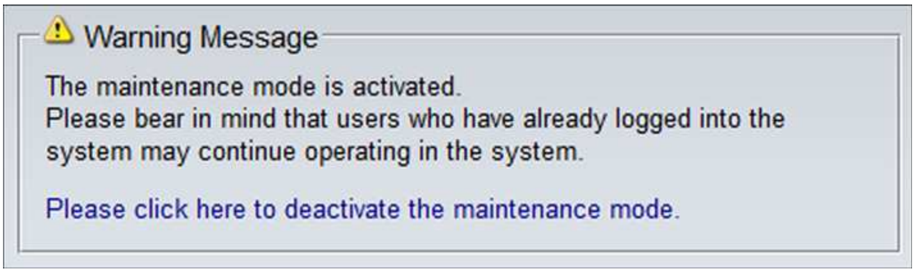
Red limiting value for performance diagram

Defines the lower limiting value in seconds for the red zone of the performance diagram. The area beneath is displayed in yellow.

Maintenance mode

The maintenance mode allows technical operations (such as updates) to be carried out by the administrator without hindering any current operations. When activated, no further users can log into the system. Participation in online surveys is also suspended.

Once activated, a warning message informs the administrator that the maintenance mode is activated and that users already logged into the system can continue operating.



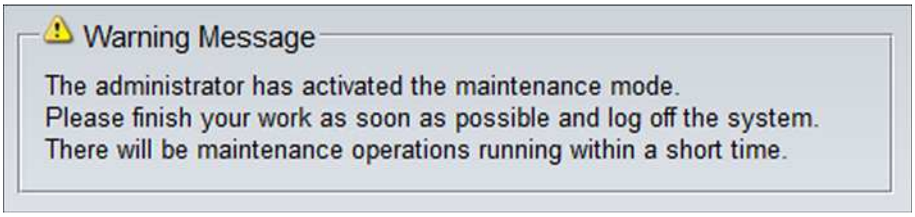
Warning Message

The maintenance mode is activated.
Please bear in mind that users who have already logged into the system may continue operating in the system.

Please click here to deactivate the maintenance mode.

Figure 664: Maintenance Mode: Activated Warning Message for the Administrator

Users who are already logged into the system receive a warning message too, and are requested to finish their work and log off the system as soon as possible so that maintenance operations may be carried out.


Warning Message

The administrator has activated the maintenance mode.
Please finish your work as soon as possible and log off the system.
There will be maintenance operations running within a short time.

Figure 665: Maintenance Mode: Activated Warning Message for Active Users

Participants of online surveys who are already logged in may finish their questionnaire. New participants cannot log in. They also receive a warning message.

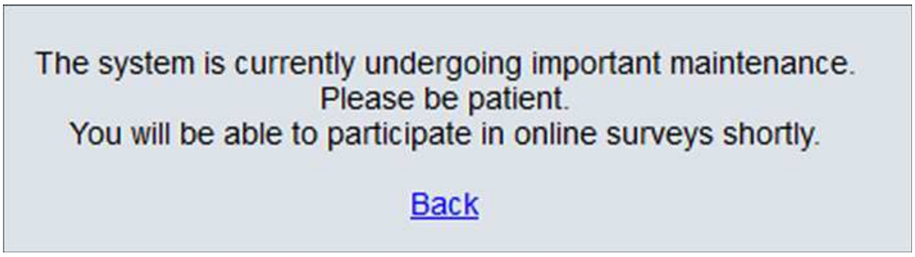

The system is currently undergoing important maintenance.
Please be patient.
You will be able to participate in online surveys shortly.

Figure 666: Maintenance Mode: Activated Warning Message for Online Survey Participants

With the aid of the user statistics (“Users logged in/Online surveys”) the administrator can oversee which and how many users are still logged into the system. As soon as the last user has logged off, maintenance operations can be started. On completion, the maintenance mode may be deactivated.

Note:
By activating the maintenance mode, the VividForms Reader is not automatically stopped. Before installing an update, please ensure that no forms are being processed, and, if necessary, terminate the VividForms Reader.

Automatic update check

This option determines the interval at which the system searches for automatic updates after the administrator has logged in.

When checking for updates, data is transferred from the EvaSys system to the update server. The following information is included: the customer name, the license key, the current EvaSys version, the default system language, the current configured language, the product derivative, the content of the configuration setting “server root path”, the ID of the supplier as well as a unique ID for the update check process itself, which is added for reasons of security. All this information is SSL encrypted and used solely for technical purposes. No personal data or captured data from your system is transmitted. If you do not agree to the transfer of the above mentioned information, simply deactivate this function. Independent of this function, you will be informed of available updates through other channels.

0 = deactivated
1 = every 30 days
2 = every 7 days
3 = after each login

CSV export for blackening degrees in the verifier

If this function is activated, the verifier can export the blackening degrees of all recognized fields within a batch as a CSV file in the batch view.

2.6. Client Operations

An EvaSys system is made up of VividForms, the web server and a database server. Together the EvaSys database and the server software make up a single system.

This single system can be configured and divided up into separate areas. There are certain situations in which it makes sense to completely separate single systems, e.g.:

- The departments of a university/company would like to use their own subsystems with their own settings and user space and prevent other departments from accessing their data.
- A small college or university is considering sharing an existing EvaSys installation at a large neighboring university.

Both situations can be solved by using client operations. Clients are subsystems that are completely separate from each other and yet use the same VividForms and computer environment. In principle this means a number of EvaSys installations in ONE system.

Electric Paper offers as a service the setting up of clients. Since for each client it is only necessary to have the necessary number of user licenses, especially small colleges and universities will find it affordable to participate in teaching evaluations.

Index:

A

- Access right
  - QM views 364
- Access rights 32
- Accessibility 20
  - Online Survey 162
- Account
  - Active instructor account 198
  - User account 49
- Active instructor 198
  - Folder 204
  - Generating survey 206
  - Login 200
  - Questionnaire 201
  - Reporting 206
  - Use of templates 463
- Active instructor account 22
- Administrator 50
  - Account 53
  - Manual 24
  - My Profile 53
  - Secondary Administrator 54
- Advanced Reporting 260
  - Aggregated Reports 282
- Analysis of errors 496
- Any compilation 290
  - Batch creation 295
  - Filtering 293
  - Reports for defined period 296
  - Several criteria 303
  - Tree structure 297
- Attachment
  - Email attachments 514
- Automatic
  - Recognition set 466
  - Update Notification 29
  - Verification 218

B

- Backup 34
  - Database 34
  - Image files of open questions 35
  - Original image files from scan station 35
- Barcode 211
- Basic terminology 24
  - Instructor accounts 24
  - NonForms 25
  - Questionnaire 24
  - Quires 24
  - Survey 26
- Batch export 478

C

- Categorization 226
- Central evaluation 22
- Client operations 545
- Color scheme 449
- Combining multiple criteria 303
- Comparison of profile lines 329
- Compilation
  - Delete compilations 495
- Configuration 26, 40, 518
  - Color 30
  - Cronbach's Alpha 266
  - Document 30
  - Indicators 263
  - Text 30
    - Certificate of participation 31
    - Cover sheet 31
    - Documents 30
    - Login-screen 30
    - PSWD cards 31
    - Redirection address 30
    - Supportlink 30
    - Welcome text for active instructors 30
- Configuration settings 499
- Correction view 217
- Course
  - Creating courses 63
  - Editing courses 63
  - Editing participant data 66
  - Predefined values 71
  - Search for courses 473
  - Types 40
- Cover Sheet
  - Procedure 105
  - Signature 134
- Cronbachs Alpha 266
- CSS Editing 157
- CSV-Export
  - User list 80
- CSV-Import 74
  - Column Descriptions 76
  - CSV File with header 75
  - CSV File without header 77
  - Interface 74
  - Participant data 69
  - Participants' Email addresses 81
  - Secondary Instructor 78
  - Structure 78
  - Synchronization overview 79
  - User 75
- Custom Titles 40

D

- Data entry 46, 222
- Data Entry Assistant 51
- Data export 527
  - Configuration 337
  - Excel/SPSS/Sphinx 336
- Data import 527
- Database 19
  - Backup 34
- Dean 51
  - Report for the dean 326
- Dean of studies 51
  - Report for the dean of studies 326

Decentral evaluation
  Instructor accounts 537
Delete
  Course 65
  Delete compilations and subgroup reports 495
  Open questions 121
  Questionnaire 86
  Subunit 49
  Survey 127
  User 61
Deletion log 494
Delivery 476, 495
  Search for deliveries 474
Design
  Individually designed reports 254
Details of survey 116
Dispatch of comparative profile lines 315
Display survey 111
Documents 32, 512
Download of reports 256
Dual scale 421

E
Editing participant data 188
Editor Control 400
Email
  HTML format 511
  to Support 17
  Writing email 475
Email addresses
  Import of course participants‘ email addresses 81
Email attachments 514
Email messages 500
Email text 499
Entries in the log book 495
Error
  Analysis of errors 496
EvaExam 391
  Creating Examiner 392
  Exam List 394
  System Settings 391
Evaluation
  Active instructor 23
  Central evaluation 22
  Evaluation of scanned questionnaires 211
  Module evaluation 375
  Periods 40
  Process 37
  The phase model 37
Evaluation statistics 481
EvaSys
  Basic terminology 24
  Components 18
  Configuration 30
  Database 19
  Homepage 16
  Interface 19
  Structure 18
  Web Server 19
    SSL 19
EvaSys settings
  Configuration 518
Export
  Batch export 478
  Data export 527
  Data Export to Excel/SPSS/Sphinx 336
  Definition of values 337
  Questionnaire 91, 467
External ID 59, 77

F
Feedback
  Capture feedback 208
  Instant feedback 208
    The PDF report 228
Filling degrees
  Check 219
Filter settings 457, 458
Folder 204
Form view 216
Free Indicator 90, 268

G
Generating surveys 108
Graphical element 441

H
Handwritten comments 46, 222
Hard copy procedure 105
Header
  PDF report header 243, 505
Horizontal matrix question 419, 434
HTML-Tags 444
Hybrid survey 108, 170

I
ICR 425
ICR-Question 417, 425
Implementation of surveys 104
Import 74
  Data import 527
  Participant data 69, 185
  Participant data from panel 191
  Participants’ Email address 81
  VividForms questionnaires 467
  XML-Import 81
Indicator 244, 260
  Activation (Configuration) 263
  Creation (Questionnaire) 265
  Cronbachs Alpha 266
  Display (PDF-Report) 263
  Free 90, 268
  Profile Line (PDF-Report) 264
Individuality
  Individually designed reports 254
Instant feedback 228

Instructor 51, 56
  active 23, 24
    Certificate of participation 31
  Active instructor 200, 206
  Active instructor account 198
  Log-in as active instructor 200
  passive 24
  Secondary 72
Instructor account 537
Instructors optional question 173
  Activate 174
  Remind and Deactivate 175

L
Language
  Multiple languages 96
Language picture 96
Legal references in non-anonymous surveys . . . 184
Letter
  Template for letter in PDF reports 505
Library
  Question library 99
License
  User licenses 486
License administration 483
License management 483
Limitation
  Course Type 95
  Period 95
  Subunit 95
Line
  Dispatch of comparative profile lines 315
Log book 496
  Entries in the log book 495
Log File 498
Login
  Administrator and user 27
  Online Survey 27
Log-in as active instructor 200
Logo file 47
Logs
  Mailservice Log 498

M
Mailservice Log 498
Manuals 15
Matrices 457, 461
Matrix field 419
Message
  Templates for email messages 500
Mirrored scaled questions 421
Module Evaluation
  Questionnair
    Linking to course types 376
Module evaluation 375
  Activation 376
  Create courses 381
  Create module account 379
  Further settings 389
  Generate module surveys 383
  Import 383
  Instant feedback 386
  Questionnaire 376
    Characteristics 378
  Setup 375
Multiple languages 96

N
Non-anonymous surveys 67, 183, 194
  Legal references 184
  Questionnaire 193
NonForms 25
Norm
  Norm values for questionnaires 344
Norm profile lines 244
Norming 341
Norms 341
  Calculation 343
Notes of a survey 230, 250

O
OMR 211
Online survey 106
  Accessibility 20
  Accessibilty 162
  Advanced Configuration 94
  Certificate of Participation 94
  Conduction of online surveys 136
  Design 92
  Forwarding 94
  Language logo 96
  Layout 151
  Mobile devices 152
  Multiple language 96, 147
  Online-Design 92
  Participation Tracking 146
  Password based 107, 110, 168
  Preview 136
  PSWD based 106, 110
  Time control 110, 137
    Reminder 140
    Response Rate Notification 140
    Scheduled task 141
  Translate Questionnaire 97
Online template 151
  Access rights 161
  Create 153
  CSS 152, 157
Open question
  Backing up image files 35
  Handwrting recognition 425
Open Questions
  Categorisation 226
  Delete 121
Optional question 173
Organization structure 43
  Tree 128
Organizational profile 39
  Course Types 40
  Custom Titles 42
  Periods 41

P
Panel . . . 191
Panel Administration . . . 191
Paper survey . . . 134
Participant data
  Editing . . . 66, 188
  Import . . . 185
    Participants‘ email addresses . . . 81
Participant Number
  Response Rate . . . 120
Passing
  Editing on questionnaires . . . 465
Password based online survey . . . 107, 168
PDF report . . . 228
  Advanced reporting . . . 260
  Components of the PDF report . . . 230
  Configuration . . . 231
  Cronbach’s Alpha . . . 266
  Definitions . . . 250
  Download . . . 256
  Header . . . 505
  Individually designed reports . . . 254
  PDF report header . . . 243
  Plugin . . . 254
  Sending of reports . . . 256
  Template for letter . . . 505
PDF templates . . . 514
PDF/A-1b . . . 259
PDF-Report
  Settings . . . 229
Performance considerations . . . 491
Performance statistic . . . 491
Period of evaluation . . . 40
Phase model . . . 37
  Phase 1
    Preparation of a survey period . . . 39
  Phase 2
    Implementation of surveys . . . 104
  Phase 3
    Capture and instant feedback . . . 208
  Phase 4
    Advanced reporting . . . 260
  Phase 5
    Quality Management . . . 341
Picture Library . . . 445
  Adding pictures to a questionnaire . . . 445
Placeholder
  Questionnaire header . . . 410
Placeholders . . . 508
Pole labels
  inclined . . . 440
Preparation of a survey period . . . 39
President
  Report for the president . . . 326
Preview of online surveys . . . 136
Process Defaults . . . 517
Profile line . . . 247
  Comparative profile line . . . 271, 315
  Profile comparison lines . . . 329
Protect mode . . . 465
PSWD . . . 106, 495
  generate more . . . 117
  Procedure . . . 106

Q
QM view . . . 365
  Access rights . . . 364
  Search . . . 368
  Table configuration . . . 368
  Use of QM views . . . 365
QM-Notification . . . 373
QM-Report Dispatch . . . 371
QR-Code . . . 144, 414
Quality guideline . . . 347
  Average-based . . . 349
  Convert from indicators . . . 356
  Convert from norms . . . 360
  Define . . . 347
  Frequency-based . . . 355
  Setting quality guidelines . . . 347
Quality Management . . . 341
  Automatic Notification . . . 373
  Report dispatch . . . 371
Question
  Responses to open questions . . . 222
  Undoing the connection between a question and the library . . . 454
Question library . . . 99, 451
  Adding a group to library . . . 457
  Adding a question from library . . . 451
  Adding a question to library . . . 455
  Connection between question and library . . . 454
  Deleting a group from library . . . 457
  Deleting a question from library . . . 456
  Edit . . . 99
  Export . . . 102
  Import . . . 102
  Rights . . . 101
  Undoing the connection . . . 454
Questionnaire . . . 24, 83
  Adding graphical elements . . . 441
  Adding pictures . . . 445
  Color Scheme . . . 449
  Copy . . . 85
  Cross Tabulations . . . 90
  Data Export Configuration . . . 90
  Deactivate . . . 91
  Defining Template . . . 462
  Delete . . . 86, 91
  Detailed view . . . 84
  Edit header . . . 410
  Editing . . . 90, 201, 465
  Editor control . . . 400
  Evaluation of scanned questionnaiure . . . 211
  Export . . . 91
  Filter Settings . . . 90
  Form information . . . 398
  Free Indicators . . . 90

  Import/Export 467
  Inclined pole labels 440
  Indicators 265
  Information 83
  Languages 90, 96
    Translate 97
  Layout settings 448
  Logo 410
  Management of questionnaires 84
  Mirrored scale values 92
  Module evaluation 376
    Linking to course types 376
  Non-anonymous survey 193
  Norm values 344
  Norming 89
  Online-Design 92
  PDF Reports 89
  Placeholder 508
  Placeholders 410
  Preview functions 407
  Quality Guidelines 89
  Question 417
  Question group 415
  Questionnaire header 410
  Recognition Set 86
  Refresh Recognition Set 87
  Report for Comparison 90
  Report Options 92
  Required questions 90
  Sphinx Report 89
  Text Templates 89
  Usage 92
  Validation 90
  Viewing options
    Online view 405
    Papier view 403
Quires 24

R
Recognition
  Automatic recognition set management 466
Recognition of the checked boxes 211
  Barcode 211
  OMR 211
  Rules for automation 212
Recognition Set of the VividForms Reader 86
Remote
  Remote maintenance 16
Repair form 451
Report
  Creating comparative profile lines 271
  Creating reports 271
  Dean 326
  Dean of studies 326
  PDF report header 505
  President 326
  Sending of reports 256
  Summary reports 282
  Template for letter in PDF reports 505
Report creator 52, 271
  Any compilation 290
  Any compilation (Tree structure) 297
  Combining Reports 299
  Create 272
  Export Options 283
  Folder 276
  Instructor Profile 288
  Kinds of comprising reports 283
  Login 275
  Main Menu 276
  Multiple Criteria 303
  Options 278
    Answers to open questions 278
    weighted and unweighted compilation 278
  Program of Study Report 286
  Questionnaire Comparison 279
    automatic assignment 280
    Base Questionnaire 281
    manual assignment 281
  Subgroups 301
  Subunit Report 283
  Summary Reports 282
  User rights 274
Required questions 457, 460
Response Rate 120
Response Rate Notification 140

S
Sample Files 16
Scaled question
  Apply to all 423
  Dual scale 421
  Mirroring 421
Scan station 19, 208
  Backing up the original image files 35
Scanner Settings 209
Scanning 208
  Rules for scanning 210
Scanstation Setup 490
Search 471
  QM views 368
  Search for courses 473
  Search for deliveries 474
  Search for surveys 474
  Search function 471
  Searching for users 472
  Searchmask 471
Secondary Administrator 54
Secondary Instructor 72
Section "Central Evaluation" 534
Section "Color Settings" 536
Section "Course User Data Fields" 529
Section "Email Functions & Accounts" 535
Section "Functions" 530
Section "General" 520
Section "Instructor Accounts (Decentral Eval.)" 537
Section "Maintenance" 542
Section "Network Settings" 538
Section "Survey Online" 524, 527
Section "Survey" 522

Section "VividForms" 538
Security 26
Sending of reports 256
Setting
  Configuration settings 499
Setting up the Subunit 45
Settings
  Configuration 518
Several criteria 303
Signature on Cover Sheet 134
Sphinx 339
SSL connection 19
Start-up 26
Statistic
  Evaluation statistics 481
  Utilization statistics 479
Structure of the EvaSys system 18
Subgroup
  Delete subgroup reports 495
Subgroups
  Combining multiple criteria 303
Subunit 43
  Create new subunit 45
  Visibility 46
Subunit Administrator 50
Summary report 282
Support
  E-mail to the support department 17
  Support Area 16
  Support department 17
Survey
  Actions 117
  Change ID 125
  Conduction of online surveys 136
  Delete (Tree) 133
  Delete survey 127
  Details 116
  Display (Tree) 130
  Display survey 111
  Generate (Tree) 131
  Generating surveys 108
  Generation of module surveys 383
  Hybrid survey 108, 170
  Implementation of surveys 104
  Non-anonymous survey 67, 183, 194
  Online survey 136
  Paper survey 134
  Period 39
  Procedures 104
  Search for surveys 474
Survey view 215
Surveys 26
System
  Adjustment 26
  Components 18
  Security 26
    Access rights 32
    CAPTCHA 28
    Password 28
  Start-up 26
  System cleaning 495
System cleaning 495
System information 482
System management 471
System settings 471
System summary 471

T
Table configuration 368
Template
  active instructor 463
  Defining 462
  Document 32
  Text 32
Text Template 499
  Email messages 500
  Letter in PDF Reports 505
  Other 507
  PDF Report 505
  PDF templates 514
  Placeholder 508
Text templates 32
Tree structure 128
  Define 128
  Delete surveys 133
  Display surveys 130
  Generate surveys 131
Type of course 40

U
Update Notification 29
User 49
  Activating/Deactivatinf 60
  CSV-Export 80
  CSV-Import 74
  Details 57
  External ID 59
  Generating accounts 49
  Searching for users 472
  Titles 42
  Types 50
    Administrator 50
    Data Entry Assistant 51
    Dean 51
    Dean of Studies 51
    Instructor 51
    Report Creator 52, 271
    Subunit Administrator 50
    Verifier 52
Utilization statistics 479

V
Validation 457, 459
Value
  Norm values for questionnaires 344

Verification 212
  Automatic 218
  Batch View 214
  Check Filling Degrees 219
  Form view 216
  Keyboard control 222
  Open question 222
  Process 217
  Survey view 215
Verifier 52, 212
Vertical matrix question 419, 435
VividForms
  Import/Export of VividForms questionnaires . . . 467
  Overview on the three VividForms-Components 397
  Use of the question library with VividForms 451
VividForms Editor
  Adding Pictures 445
  Integrating pictures in a questionnaire 447
VividForms Reader 19, 212
  Recognition Set 86
Volume License
  General information 489

W
Web server 19
Webservice 518
WebVerifier 212, 222
Write-protect mode 465

X
XML import 81